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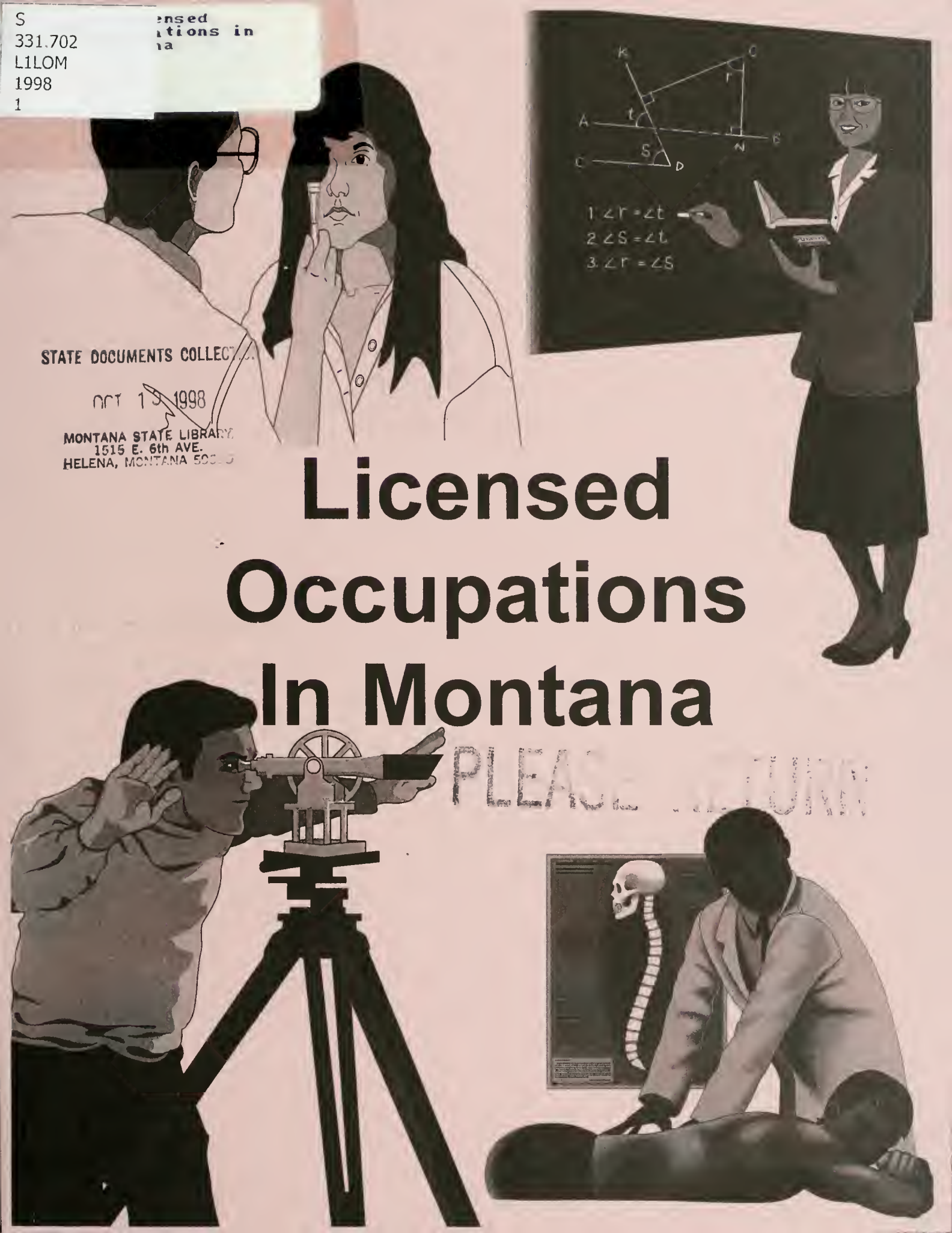

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Licensed Occupations In Montana

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Licensed Occupations in Montana

A Directory of Occupations that are Licensed, Registered, or Certified by the State of Montana or the U.S. Government

1998

Compiled by
Montana State Occupational Information Coordinating Committee
and
Montana Career Information System

State of Montana
Marc Racicot, Governor

Department of Labor and Industry
Pat Haffey, Commissioner

Montana State Occupational Information Coordinating Committee
Montana Career Information System
P.O. Box 1728
Helena, MT 59624
800-541-3904

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Montana State Occupational Information Coordinating Committee
Montana Career Information System

The Montana State Occupational Information Coordinating Committee and the Montana Career Information System (SOICC/MCIS) provide information about occupations, programs of study, financial aid, and schools to students, job seekers, and individuals making career-changes in Montana.

The information in this publication updates the 1996 edition of "Licensed Occupations in Montana."

For more information, contact:

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SOICC/MCIS
P.O. Box 1728
Helena, MT 59624
800-541-3904

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Montana Department of Justice, Motor Vehicle Division, Driver Services Bureau
Montana Department of Public Health and Human Services, Emergency Medical Services and Water Quality Bureaus
Montana Department of Agriculture, Agricultural Sciences Division, Technical Services Bureau
Montana Department of Environmental Quality, Permitting and Compliance Division
Montana Department of Fish, Wildlife, and Parks, Fisheries Division and Enforcement Division
Montana Department of Environmental Quality, Water and Wastewater Operator Certification and Montana Board of Water Well Contractors
State Bar of Montana
Federal Aviation Administration, Flight Standards District Office

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Introduction

In most occupations, employers and consumers decide who is qualified to do a particular job. In some occupations, professional associations and trade organizations adopt certification standards for their members and encourage employers and consumers to use people who have that certification. In other occupations, the legislature or Congress sets standards; those occupations are usually ones that affect public health, safety, or welfare.

Licensing, certification, and registration are three methods of indicating the qualifications of people to perform certain occupations. These terms are frequently used interchangeably, but for purposes of this publication they are defined as follows:

Licensing

You must have a license to work in some occupations. Licensure requires any individual who wants to work in that occupation to obtain permission (a license) from a specific agency designated by law to issue the license. Dentists and electricians are examples of occupations requiring a license in Montana.

A license is the most restrictive method of regulation. To obtain a license an individual usually must complete certain training, gain work experience under supervision, pass an examination, and pay a licensing fee. Licensing requirements must be met before the individual may practice the occupation in the state.

Certification

Many professional associations and trade organizations have their own procedures for certifying members who meet certain standards. In some cases, the legislature limits the use of certain titles to people who meet specific certification standards. Certification does not legally prevent other people from engaging in the occupation; however, only certified people may use the certified title. For example, a firm can hire anyone to do accounting work, but only people with certificates can call themselves "Certified Public Accountants."

To obtain certification, an individual usually must meet certain training and experience requirements and pass an examination.

Registration

Occupational registries are lists of people who have submitted applications and been accepted for the occupational roster. Requirements for registration are usually less restrictive than for licensing or certification, and may consist only of character references and bonding.

Occupational registries are usually maintained by professional associations and trade organizations, but some are maintained by governmental agencies.

More than 40 agencies license occupations in Montana. Many of those agencies are in the Professional and Occupational Licensing Bureau; however, the individual licensing boards set their own rules and regulations.

The purpose of this guide, *Licensed Occupations in Montana*, is to provide one convenient source of basic information about occupational licenses in Montana.

This publication provides information for 60 occupations requiring licensure by the State of Montana and 3 requiring licensure by the United States. It outlines the minimum requirements for obtaining and renewing licenses, and it identifies fees associated with licensure. It provides the names, addresses, and telephone numbers of the agencies to contact for more detailed information and applications. Finally, it contains current employment statistics, wages and outlook information.

The information is presented for a person initially entering the occupation in Montana. In addition to the procedures described here, most of the occupations may also be licensed through reciprocity, an agreement whereby a valid license in an occupation from another state automatically qualifies a person for a license in Montana upon payment of the appropriate fees.

Only occupational licenses and required certifications issued by the state of Montana or U.S. government agencies are included in this publication. The following types of licenses, certifications, and registrations are not included because they are optional or because they apply to only selected areas of the state.

Optional Certifications or Registrations
Many professional associations and trade organizations provide optional certification or registration to those members who apply and meet certain requirements. These have been excluded because they are not required to engage in an occupation.

Locally Licensed Occupations
Cities, towns, or counties sometimes license or register people who work or live within that area. They are not included because requirements do not apply uniformly across the state.

Business Licenses
Only licenses for occupations are included. Thus, while licensing information is included for cosmetologists, information on how to license beauty shops is not. Business licenses generally do not require the advance preparation needed for an occupational license, and primarily serve to register the business. Licenses required for specific business activities associated with an occupation are also excluded.

This guide was compiled from Montana statutes and administrative procedures, and the information was reviewed by staff of the relevant boards and commissions. Its purpose is to highlight the major requirements and procedures, not to describe all of the licensing procedures. Also, licensing fees are subject to change.

People who have questions or are ready to begin the application process should contact the appropriate licensing agency. Agency names, addresses, and telephone numbers appear in this guide.

Accountants and Auditors

Accountants and auditors compile and analyze business records and prepare financial reports used in making management decisions. Accountants and auditors design accounting systems and procedures, and help with program management. They review returns on investments and make financial recommendations. Accountants in public practice prepare income tax and financial reports and provide financial advice to clients. Accountants who work for one organization are usually responsible for all of its financial operations. Auditors examine and report on financial records of many businesses. Auditors usually travel a great deal to perform their work.

Licensing Information

Montana Certification

"Certified Public Accountant (CPA)"
"Licensed Public Accountant (LPA)"

Certification is authorized by Montana Code Annotated 37-50-301 through 37-50-342.

Certificate Requirements

1. Be of good moral character.
2. Satisfactory completion of the Uniform CPA exam.
3. A bachelor's degree in accounting, with 150 semester hours including a concentration in accounting.
4. Satisfactory completion of an open book ethics exam.

Permit to Practice:

1. 2,000 hours of work experience with 500 hours of attest oriented experience generally obtained in a public accounting firm, or 4,000 hours of work experience in private, governmental or public accounting work that is acceptable to the board
2. Be of good moral character.
3. Satisfactory completion of the Uniform CPA exam.
4. A bachelor's degree in accounting, with 150 semester hours including a concentration in accounting.
5. Satisfactory completion of an open book ethics exam.

Certificate Renewal

Certificates expire on December 31 of each year. Accountants must complete 120 hours (24 hours in accounting and auditing, along with a portion of credit in ethics) of continuing education every three years to renew their permits to practice.

Fees

Exam	$225
Re-exam	75 per part ($200 - all 4 parts)
Original	
Certificate	35
Permit to practice	70
Annual renewal	
Certificate	35
Permit to practice	70
Application	
By licensure transfer	100
By transfer of grades	100

For Details and Certification Application Materials, Contact

Montana Board of Public Accountants
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3739

Occupational Information

Current Employment

About 2,397 are employed in this large occupation in Montana. Others are self-employed.

Wages

The average entry wage in Montana is $1,630/month. The average wage is $2,645/month. Accountants in Montana state government earn from $1,710 to $2,935/month. State auditors earn from $1,710 to $2,935/month.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. The outlook depends on general economic conditions, complexity of tax laws, financial reporting requirements, and use of accounting services by businesses and public agencies. Growth is expected because of increased pressure on businesses and government agencies to improve budgeting and accounting procedures. Demand occurs as companies rely on accounting information to plan operations and make decisions on plant expansions and mergers.

For more information, see Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Accountants and Auditors

Acupuncturists

Acupuncturists treat health disorders and their symptoms through the use of needles. They review patients' medical histories and physicians' diagnoses to determine the symptoms and disorders to be treated. Then, using their knowledge of body locations connected with certain symptoms and disorders, they mechanically, thermally, or electrically stimulate these areas with needles.

Licensing Information

Montana Certification

"Acupuncturist (CA)"

Licensure is authorized by Montana Code Annotated 37-13-301 through 37-13-316.

License Requirements

1. Minimum age of 18 years.
2. Graduation from an approved school of acupuncture, or equivalent.
3. Satisfactory completion of the national board exam.

License Renewal

Licenses expire on October 31 of each year, and may be renewed upon payment of a fee.

Fees

Original license	$50
Annual renewal	25

NOTE: Information on fees and arrangements for the national board exam must be obtained through the National Commission for the Certification of Acupuncturists.

For Details and Certification Application Materials, Contact

Montana Board of Medical Examiners
111 N. Jackson
PO Box 200513
Helena, MT 59620-0513
(406) 444-9395

Occupational Information

Current Employment

There are 52 licensed acupuncturists in Montana. This is a very small occupation in Montana.

Agricultural Workers

Produce dealers sell wholesale in the state, transport produce into the state for retail sale, or retail produce grown in the state if gross sales exceed $15,000 annually. Agricultural commodity dealers buy and sell grain. They may advise customers on probable price changes and factors which may affect prices, such as crop carryover, normal grain production and consumption. Seed labelers affix labels to agricultural seeds in accordance with state laws. Seed dealers sell various varieties and types of agricultural seeds.

Licensing Information

Montana Licenses

"Produce Dealer"
"Agricultural Commodity Dealer"
"Seed Labeler"
"Seed Dealer"

Licensure is authorized by Montana Code Annotated 80-3-321 through 80-5-202.

License Requirements

Agricultural Commodity Dealer:

1. Proof of financial responsibility.
2. Must be bonded.

License Renewal

Produce dealer licenses expire on December 31 of each year, and may be renewed upon payment of a fee. Commodity dealer, seed labeler and seed dealer licenses expire on June 30 of each year, and may be renewed upon payment of a fee.

Fees

Produce dealer	$ 50
Agricultural commodity dealer	464
with seed dealer license	100
Seed labeler	50
Seed dealer	50

For Details and Licensing Application Materials, Contact

Montana Department of Agriculture
Agricultural Sciences Division
Technical Services Bureau
P.O. Box 200201
Helena, MT 59620-0201
(406) 444-5400
(406) 444-5409 fax

Aircraft Mechanics

Aircraft mechanics service, repair, and overhaul aircraft and aircraft engines to ensure safe and dependable performance. Aircraft mechanics often consult manuals and service bulletins for specifications and diagnosis of problems. They inspect, service, and adjust aircraft engines, wiring, brakes, landing gear, and flight controls. Aircraft mechanics are known as airframe and power plant technicians.

Licensing Information

U.S. Licenses

"Airframe Mechanic"
"Powerplant Mechanic"
"Airframe-and-Powerplant Mechanic"

Certification under 14 CFR Part 65.

License Requirements

For airframe or powerplant mechanics:

1. Be at least 18 years of age.
2. Graduation certificate from a certified aviation maintenance technician school (Part 147) or,
3. 18 months of practical experience with airframe or powerplant..
4. Satisfactory completion of written, oral, and practical exams.

For airframe-and-powerplant mechanics:

1. Be at least 18 years of age.
2. Graduation certificate from a certified aviation maintenance technician school (Part 147) or,

1. Thirty months of practical experience with both engines and airframes.
2. Satisfactory completion of written, oral, and practical exams.

License Renewal

Once issued, licenses are valid for life unless revoked.

Fees

Exam

Written	$ 60
Oral and practical	250

For Details and Licensing Application Materials, Contact

Federal Aviation Administration
Flight Standards District Office
2725 Skyway Drive, Suite 1
Helena, MT 59601
(406) 449-5270
(800) 457-9917

Occupational Information

Current Employment

About 199 are employed in this small occupation in Montana. In addition others are self-employed. There were three active airframe and powerplant apprentices in Montana in 1997.

Wages

The average wage in Montana is $10.95/hour. Trainees start at 5.50/hour. In Montana state government, airplane mechanics earn an average wage of $9.95/hour. Major airlines pay more but employ few mechanics in Montana. Federal government jobs pay an average wage of $15.55/hour.

Outlook

Employment is projected to decline in Montana. The outlook depends mainly on the amount of aviation activity and the priority placed on aircraft maintenance. In Montana, few aircraft mechanics work for scheduled airlines. Most work on general aviation aircraft used for taxi, agricultural, pilot training, and private purposes. Mechanics who want to work for major airlines must be willing to relocate outside the state.

For more information, see Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Aircraft Mechanics

Architects

Architects design buildings, structures, and their surroundings to meet clients' functional and aesthetic requirements. Architects plan and design all types of building projects. Architects are involved in all phases of the development of a building or project, from the initial discussion of general ideas through construction. They give their clients information about building costs and materials, prepare drawings or specifications, and visit the building sites to check that plans are being followed. They may help clients select building sites. Some supervise construction projects.

Licensing Information

Montana Licenses

"Architect"

Licensure is authorized by Montana Code Annotated 37-65-301 through 37-65-323.

License Requirements

1. A bachelor's degree in architecture.
2. Must complete (NCARB) Intern Development Program (IDP) for admission to the national exam.
3. Satisfactory completion of the NCARB exam.

License Renewal

Licenses expire on July 1 and may be renewed biennially upon payment of a fee.

Fees

Exam (nine sections)	$980
Original license	20
Biennial renewal	80

Special Comments or Conditions

Architects can apply for licensure in Montana from out-of-state if they hold a NCARB Blue Cover Certificate.

For Details and Licensing Application Materials, Contact

Montana Board of Architects
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3745

Occupational Information

Current Employment

About 180 are employed in this small occupation in Montana. Others are self-employed. There were 344 licensed architects in Montana in 1997.

Wages

The average entry wage in Montana is $1,820/month for architects. The average wage is $2,880/month. Architects in Montana state government earn from $1,860 to $3,220/month. Federal government jobs for architects average about $3,660/month. Architects who are salaried usually also receive health insurance, vacation, and sick leave benefits. Architects who are sole proprietors or partners in well-established firms generally earn more and buy their own health and other insurance benefits. Earnings for self-employed architects vary with changing business conditions.

Outlook

Employment is projected to grow faster than the statewide average for all occupations in Montana. The outlook depends mainly on construction of office buildings and shopping facilities. Construction activity depends on loan interest rates and general economic conditions. Architects continue to face competition for jobs. Architects who are willing to relocate improve the chance of finding a job.

For more information, see Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Architects

Blasters

Blasters prepare, place, and set off explosives to fracture rock and make the rock easier to remove. Blasters study rock formations to determine the amount, type, and location of the explosive charge. They mark the pattern of drill holes or provide drilling instructions for the depth and position of the blast holes. They insert, pack, or pour dynamite or other explosive materials into the blast holes, position the blasting cap, connect the wires, and cover the charge. After assuring that safety laws are observed and that the area is clear of workers, they set off the blast. Blasters keep records of the blasts and an inventory of blasting supplies.

Licensing Information

Montana Licenses

"Construction Blaster"
Licensure is authorized by Montana Code Annotated 37-72-301 through 37-72-307.

"Surface Coal Mining Blaster"
Licensure is authorized by Montana Code Annotated 82-4-231 10E.

License Requirements

Construction blaster:

1. Minimum age of 18 years.
2. Completion of an approved training program in construction blasting.
3. Two years of training experience in construction blasting.
4. Satisfactory completion of an exam.

Surface coal mining blaster:

1. Completion of a 24-hour approved training program in blasting.
2. Two years of experience in blasting.
3. Passing the Department of Environmental Quality's exam with a grade of 80% or better.

License Renewal

Construction blaster:
Licenses expire on January 1 of each year, and may be renewed upon payment of a fee.

Surface coal mining blaster:
Licenses must be renewed every three years. License holder must take a 24-hour refresher training, submit an application 60 days before license expires, and either have

directed a shot in the previous 12 months or passed the recertification exam with a grade of 80% or better.

Fees

Construction blaster:

Application	$ 35
Exam	25
Original license	40
Annual renewal	40

Surface coal mining blaster:
No fees

For Details and Licensing Application Materials, Contact

Construction blasters:
Montana Department of Commerce
Professional and Occupational Licensing Bureau
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-1653

Surface coal mining blasters:
Montana Department of Environmental Quality
Permitting and Compliance Division
P.O. Box 200901
Helena, MT 59620
(406) 444-4970

Occupational Information

Current Employment

There were 421 licensed blasters in Montana in 1997.

Wages

Wages vary with the type of equipment operated, shift worked, and size and type of employer. The average entry wage is $17.95/hour and the average wage is $19.40/hour.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. Chances of finding a job are better in the sand and gravel sector of the industry. Since sand, gravel, and stone are used in road construction and concrete aggregate in almost every type of construction, the outlook is closely tied to construction activity, which, in turn, depends on loan mortgage rates, general economic conditions, and the weather. Usually there is more demand in spring and summer.

For more information, see Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Mine Workers and Blasters

Bus Drivers

Bus drivers operate motor vehicles to transport passengers. Bus drivers may operate school buses, charter buses, or common carriers within a local area. They follow definite time schedules and routes. They collect fares, issue transfers, and answer passengers' questions.

Licensing Information

Montana Licenses

"Driver's License-Type 1" (operate anywhere in the U.S.)
"Driver's License-Type 2" (operate only in Montana)

Licensure is authorized by Montana Code Annotated 61-5-101 through 61-5-213.

License Requirements

1. A medical certificate.
2. Satisfactory completion of written and practical exam.

For Type 1 endorsements:

3. Minimum age of 18 years.
4. One year of driving experience (for school bus drivers only).

License Renewal

Licenses belonging to drivers (aged 21 through 67) whose birthdays fall on an odd day of the month (1, 3, 5, etc.) will renew for eight years. If the driver's birthday falls on an even day of the month (2, 4, 6, etc.), the license will be renewed for 4 years. When the four years has expired, the license will be renewed for eight years. Drivers must have their vision tested and pay a fee to renew their licenses.

Fees

Basic license	$ 16
Endorsement:	
Type 1	20
Type 2	14
Renewal:	
Type 1	36
Type 2	30

Special Comments or Conditions

Commercial vehicle operators apply for the basic Montana driver's license and either a Type 1 (operate anywhere in the U.S.) or Type 2 (operate only in Montana) endorsement. Drivers are tested in the type of vehicle for which they seek licensure.

For Details and Licensing Application Materials, Contact

Department of Justice
Motor Vehicles Division
Field Operations Bureau
303 Roberts
P.O. Box 201430
Helena, MT 59620-1430
(406) 444-3292

Occupational Information

Current Employment

About 229 are employed as bus drivers and 1,856 as school bus drivers in Montana.

Wages

The average entry wage in Montana for bus drivers is $7.20/hour. The average wage is $9.15/hour. Bus drivers may be paid by the trip or the mile. Wages for long distance bus drivers depend on the number of miles driven.

Outlook

Employment is projected to increase as fast as the statewide average for all occupations in Montana. The outlook depends on funding, expansion or contraction of local transit and intercity bus systems, the volume of passenger traffic, and the replacement of those who leave the occupation. Part-time employment is expected to grow faster than full-time employment. Competition for local and intercity openings will be stronger than for the lower-paid school bus driving jobs. Turnover among school bus drivers is higher, creating more openings. For school bus driving jobs, applicants who have good driving records and who are able to deal with children will fare best.

For more information, see Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Bus Drivers

Chiropractors

Chiropractors diagnose and treat spinal and other health disorders to help their patients regain and maintain good health. Their treatment emphasizes the function of the nervous system as it relates to health and disease. Methods of treatment vary; 95 percent manually adjust parts of the body, especially the spine, as primary therapy. Chiropractors use water, light, heat, ultrasound, and electric therapy. They use physical examinations, laboratory studies, and x-rays to aid in their diagnoses. Most chiropractors are in general practice. Some limit practice to specialty areas in orthopedics or radiology.

Licensing Information

Montana Licenses

"Chiropractor"

Licensure is authorized by Montana Code Annotated 37-12-301 through 37-12-324.

License Requirements

1. Anyone matriculating into chiropractic college as of October 1, 1995, will be required to have a bachelor's degree from an approved college.
2. Graduation from a chiropractic college accredited by the Council on Chiropractic Education.
3. Satisfactory completion of Parts I, II, and III, and IV of the National Boards of Chiropractic Education.

License Renewal

Licenses expire on September 1 of each year. Chiropractors must complete 12 hours of continuing education each year to renew their licenses.

Fees

Application and exam	$125
Annual renewal	100

For Details and Licensing Application Materials, Contact

Montana Board of Chiropractors
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-5433

Occupational Information

Current Employment

There are about 239 chiropractors licensed to practice in Montana. This is a small occupation in Montana.

Wages

Wages vary with geographic location and qualifications of the chiropractor. In Montana, the average wage is about $3,630/month. Costs of establishing a practice are high. It takes time to build a clientele, so income may be low during the first few years. Some chiropractors begin as employees or partners to gain experience and save enough money to start their own practice. Those who are self-employed must buy their own health insurance and other benefits.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations. Demand for chiropractic services is related to the ability of patients to pay for the services, either directly or through health insurance. Demand is influenced by public acceptance of the profession and the emphasis on natural means of maintaining health.

For more information, see Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Chiropractors

Commercial Fishers

Commercial fishers catch fish and other marine life using nets, hooks, and other devices. Duties include boat handling, operating and repairing equipment, and fishing.

Licensing Information

Montana Licenses

"Commercial Fishing Permit"

Licensure is authorized by Administrative Rules of Montana 12.7.103 through 12.7.105.

License Requirements

1. Submit form stating specific waters and species of fish desired for harvest.
2. Provide bond of $1,000.

License Renewal

Class A and B licenses expire a year from date of issue. Class X licenses expire 12 months after issue and must be replaced by a Class A or Class B permit unless a renewal is authorized by the commission.

Fees

Class A	$500
Class B	200
Class X	no fee

For Details and Licensing Application Materials, Contact

Montana Department of Fish, Wildlife, and Parks
Fisheries Division
1420 East Sixth Avenue
Helena, MT 59620
(406) 444-2449

Occupational Information

Current Employment

There are two licensed commercial fishers in Montana. This is a very small occupation in Montana.

Compliance Officers and Inspectors

Compliance officers and inspectors enforce and provide advice on laws and regulations on matters such as health, safety, food, licensing, immigration, and international trade. Their duties vary widely. Health inspectors work with laboratory scientists and other health workers to find and prevent the spread of diseases. They ensure that water, air, food, drugs, cosmetics, and other products are safe for people to consume or use. They may visit firms to check sanitary conditions and collect samples that are tested in laboratories for harmful substances. Health inspectors include consumer safety inspectors, agricultural quarantine inspectors, sanitarians, and agricultural commodity graders. Many specialize in one area such as processed foods, restaurants, medical devices, or sewage disposal. Safety inspectors or industrial hygienists look for potential hazards in the workplace and in transportation. Aviation safety inspectors protect the pubic from unsafe aircraft by enforcing aircraft equipment regulations. They inspect aircraft and equipment to ensure that they are manufactured, maintained, and repaired properly. Sanitarians work to protect the public from health hazards by enforcing food, water, and air standards. To control pollution and prevent disease, they inspect the treatment and disposal of sewage, garbage and industrial waste.

Licensing Information

U.S. Licenses

"Airframe-and-Powerplant Mechanic-Inspection Authorization"

Licensure is authorized by 14 CFR Part 65.

Montana Licenses

"Sanitarian"

Licensure is authorized by Montana Code Annotated 37-40-301 through 37-40-312.

License Requirements

For airframe-and-powerplant mechanic inspection authorization:

1. Must hold both an Airframe and Powerplant rating which is currently effective and has been in effect for a total of at least 3 years.
2. Have been actively engaged, for at least 2 years before the application date, in maintaining aircraft.
3. Have a fixed base of operation.
4. Have available the equipment, facilities, and inspection data necessary to inspect airframes, powerplants, propellers and appliances.
5. Pass a written test, (computer test), on ability to inspect according to safety standards.

For sanitarians:

1. A bachelor's degree in environmental health, or equivalent.
2. Passage of a national exam.

License Renewal

Inspection authorization expires on March 31 of each year. Renewals must be completed in accordance with 14 CFR section 65.93. Sanitarians' licenses expire on June 30 of each year, and may be renewed upon payment of a fee. Sanitarians must complete 15 hours of continuing education every odd year.

Fees

For airframe-and-powerplant mechanic inspection authorization:

Computer test	$60

For sanitarians:

Exam	$90
Application	25
Annual renewal	35

For sanitarians-in-training:

Application	25

For Details and Licensing Application Materials, Contact

For aviation safety inspectors:
Federal Aviation Administration
Flight Standards District Office
2725 Skyview Drive, Suite 1
Helena, MT 59601
(406) 449-5270
(800) 457-9917

For sanitarians:
Montana Board of Sanitarians
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3091

Occupational Information

Current Employment

About 1,202 are employed as compliance officers and inspectors in this medium-sized occupation in Montana. There are 139 licensed airframe and powerplant mechanics with inspection authorization in Montana. There are 175 licensed sanitarians in Montana.

Wages

Wages vary greatly throughout Montana. The average wage in Montana state government ranges from $1,895 to $2,935/month. Sanitarians' wages in Montana are about $2,460/month. Airframe and powerplant mechanics with inspection authorization wages vary depending on the complexity of the aircraft they inspect.

Outlook

Employment for compliance officers and inspectors is projected to show little or no change in Montana. Most openings are to replace those who leave the occupation. Most compliance officers and inspectors work in programs that have wide public support. They are, therefore, less likely to lose their jobs than many other workers when government programs are cut. Employment for airframe and powerplant mechanics with inspection authorization will show little change.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Quality Control Inspectors, Aircraft Mechanics, Compliance Officers and Inspectors

Contractors

Occupations included as contractors are construction managers, painters, paperhangers, plasterers, drywall installers, glaziers, carpenters, floor and carpet layers, roofers, bricklayers, water well drillers, stone masons, structural steel workers and insulation workers. Contractor Registration is mandatory for those who have employees and optional for those who have none.

Registration Information

Montana Registration

The 1997 Legislature eliminated the distinction between general and specialty contractors.

Registration is authorized by Montana Code Annotated 39-9-203.

Registration Requirements

1. Complete a contractor registration form.
2. Provide proof of workers' compensation and unemployment insurance or provide proof of an independent contractor exemption with no employees.
3. Pay a $70 registration fee.

Registration Renewal

Registrations expire two years from the date of registration.

Fees

Original/Biennial renewal $70

Special Comments or Conditions

Licensed plumbers and electricians and licensed contract security companies acting within the scope of their licenses are exempt.

For Details and Certification Application Materials, Contact

Montana Department of Labor and Industry
P.O. Box 8011
Helena, MT 59604-8011
(406) 444-7734

Occupational Information

Current Employment

Many contractors specialize and are self-employed. There are about 4,357 registered contractors in Montana.

Wages

Wages vary with the size of the firm, specialty, experience, and training. For public works projects, the state prevailing wage rates apply.

Outlook

Employment is projected to increase much faster than the statewide average for all occupations in Montana. The outlook depends primarily on building activity, which is affected by the general economy, loan interest rates, and the availability of materials and energy.

For more information, see Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Construction Managers, Painters and Paperhangers, Plasterers and Drywall Installers, Glaziers, Carpenters, Floor and Carpet Layers, Roofers, Insulation Workers

Counselors

Counselors help people make decisions about their education, career, and personal lives. Counselors collect and analyze information about their clients from interviews, aptitude and other tests, and school records. They may specialize in a particular type of counseling or work setting. School counselors deal with the personal, social, and educational development of students. Vocational rehabilitation counselors help disabled persons prepare for careers and live as independently as possible. Career planning and placement counselors and employment counselors provide information to their clients to help them plan their careers.

Licensing Information

Montana Licenses

"Licensed Clinical Professional Counselor (LCPC)"
Licensure is authorized by Montana Code Annotated 37-23-201 through 37-23-212.

"Standard or Professional Teaching Certificate-Guidance and Counseling Endorsement (School Counselors)"
Certification is authorized by Montana Code Annotated 20-4-101 through 20-4-111.

"Chemical Dependency Counselor"
Licensure is authorized by Montana Code Annotated 53-24-204.

License Requirements

For licensed professional counselors:

1. A 60-semester hour master's degree in counseling from an accredited college.
2. 2,000 hours of supervised counseling practice, half of which is post-degree (3,000 hours effective July 1, 1996).
3. Satisfactory completion of the national board exam (NCE or NCMHCE).

For school counselors:

1. A standard or professional teaching certificate (see Elementary and Secondary Teachers for requirements).
2 Completion of an approved elementary or secondary teacher education program, with major or minor in guidance and counseling (K-12).
3. Three years of successful teaching experience.

or

1. A specialist certificate endorsed for K-12 school counseling.
2. Completion of a master's degree in K-12 school counseling.
3. Completion of an internship of at least 600 hours in a school or school-related setting.

For chemical dependency counselors:

1. (a) B.A./B.S. degree in alcohol and drug studies, psychology, social work, counseling or a related field; or (b) A.A./A.A.S. degree in alcohol and drug studies, chemical dependency, or substance abuse; or (c) graduation from a formalized chemical dependency counselor training program (all education requirements must include 270 contact hours of specific chemical dependency education).
2. Complete 1,000 hours of supervised counseling experience in an approved chemical treatment setting.
3. Eligible counselors must complete a comprehensive written exam and an oral case presentation examination.

License Renewal

Licenses for professional counselors expire on December 31 of each year, and counselors must complete 20 hours of continuing education each year to renew their licenses. Certificates for chemical dependency counselors are issued for two years and may be renewed by completing 40 hours of approved continuing education and payment of the renewal fee. Certifications for school counselors expire on June 30 every five years, and may be renewed upon verification of one year of teaching or counseling experience during the term of the certificate. Counselors with standard teaching certificates must also complete six quarter (or four semester) credits every five years to renew their certificates. If endorsed on the specialist certificate, credits must be graduate level.

Fees

For professional counselor:

Application	$50
Exam	100
Original license	50
Annual renewal	50

For school counselors:

Registration	6
Original certificate	30
Five-year renewal	30

For chemical dependency counselors:

Application	$125
Written exam	65
Oral exam	75
Renewal	100

For Details and Licensing Application Materials, Contact

For licensed professional counselors:
Montana Board of Social Work Examiners and Professional Counselors
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-4285

For school counselors:
Office of Public Instruction
Division of Certification and Teacher Education
P.O. Box 202501
Helena, Montana 59620-2501
(406) 444-3150

For chemical dependency counselors:
Chemical Dependency Certification Program
Professional and Occupational Licensing Division
PO Box 200513
111 N. Jackson
Helena, MT 59620-0513
(406) 444-4923

Occupational Information

Current Employment

About 531 are employed in this medium-sized occupation in Montana. There were 520 certified chemical dependency counselors and 669 licensed clinical professional counselors in 1997 in Montana.

Wages

School counselors are the largest group of guidance counselors nationwide. School counselors earn teacher's rates, which vary with the school, level of education, and experience. Guidance counselors earn an average of $2,035/month, residence counselors earn an average of $2,170/month, and vocational rehabilitation counselors earn about $2,640/month. Counselors in Montana state government earn an average wage of $1,985/month. Substance abuse and vocational counselors in state government earn between $2,250 to $2,685/month. As a general rule, earnings for counselors in rehabilitation, mental health, and employment are usually somewhat lower than earnings

for school counselors. Depending on the employer, most counselors receive standard fringe benefits, including health insurance, vacation, and sick leave.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. Employment for residential counselors is projected to grow faster than the average. School counselors are in greater demand with increasing secondary school enrollments and counseling programs expanding into elementary schools. Special attention is being directed to crisis and preventive counseling with students. Continued opportunities are projected in rehabilitation, mental health, industrial and occupational health, and vocational and employment counseling. However, positions that depend on public funding are subject to budget cuts. Competition for available positions is keen.

For more information, see Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Counselors, School Counselors, Rehabilitation Counselors, Addictions Counselors, Psychologists

Dental Hygienists

Dental hygienists clean teeth and help people prevent tooth decay and gum disease. Dental hygienists examine teeth and gums, clean deposits and stains from teeth, and treat teeth with fluorides and other decay preventive agents. They take impressions of teeth, remove sutures, and give local anesthetics. They take and develop x-rays. Dental hygienists instruct patients in dental health and may provide dental health education for school children and the other members of the community.

Licensing Information

Montana Licenses

"Dental Hygienist"

Licensure is authorized by Montana Code Annotated 37-4-401 through 37-4-408.

License Requirements

1. Graduation from an approved dental hygiene program.
2. Satisfactory completion of national and regional board exams and state jurisprudence exam.
3. CPR certification.

License Renewal

Licenses expire on March 1 of each year, and may be renewed upon payment of a fee. Hygienists must complete 36 hours of continuing education every three years.

Fees

Exam	$ 85
Original license	100
Annual renewal	70
Credentialing Application	75

NOTE: Information on fees and arrangements for the national and regional board exams must be obtained through the National Board of Dental Examiners and the Western Regional Examining Board.

Special Comments or Conditions

Hygienists must be issued a permit to administer local anesthetic agents.

For Details and Licensing Application Materials, Contact

Montana Board of Dentistry
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3745

Occupational Information

Current Employment

About 318 are employed in this small occupation in Montana. There were 444 licensed dental hygienists in Montana in 1997.

Wages

Wages vary with geographic location, employer, education, and experience. Many dental hygienists work part time. Some earn commissions or a combination of salary and commission. In Montana, the average entry wage is $13.10/hour and the average wage is $17.65/hour. In state government, the average wage is $12.45/hour. Benefits vary and are usually extended to full-time workers. In private practice, many earn on a commission basis, which can range from 36 to 50 percent of the appointment cost.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations. The outlook depends on growing public awareness of the importance of oral health and the availability of dental insurance, as well as the number of dentists and hygienists graduating from dental programs. Job openings occur as people leave the occupation. The outlook is excellent for graduates of accredited programs.

For more information, see Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Dental Hygienists

Dental Laboratory Technicians

Denturists make, fit, construct, and repair dentures to replace teeth. Most denturists specialize in one phase of the work. Some are generalists responsible for all facets of the work. They read prescriptions written by dentists and examine models and impressions of teeth. They design, construct, or repair dental replacements. Denturists can make, fit, construct, and repair dentures without a dentist's prescription. Dental laboratory technicians do not have to be licensed in Montana. Dental laboratory technicians cannot make, fit, construct, or repair dentures without a dentist's prescription.

Licensing Information

Montana Licenses

"Denturist"

Licensure is authorized by Montana Code Annotated 37-29-301 through 37-29-321.

License Requirements

1. Completion of two years at an educational institution accredited by a national or regional accrediting agency recognized by the Montana State Board of Regents.
2. (a) Completion of one year internship under the direct supervision of a licensed dentist, or (b) three years of experience as a denturist under licensure in another state or Canada.
3. Satisfactory completion of written and practical exams.

License Renewal

Licenses expire on March 1 of each year. Denturists must complete 12 hours of continuing education and possess a current cardiopulmonary resuscitation (CPR) card to renew their licenses.

Fees

Application	$200
Exam	200
Original license	200
Annual renewal	100

For Details and Licensing Application Materials, Contact

Montana Board of Dentistry
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3745

Occupational Information

Current Employment

About 117 are employed as dental laboratory technicians in this very small occupation in Montana. There are 13 licensed denturists in Montana.

Wages

Wages vary with education, experience, and specialized skill. Dental laboratory technicians who specialize in ceramics generally earn more than those who specialize in contour wire framing. The average wage in Montana is $2,235/month. Self-employed lab owners earn more.

Outlook

In Montana, employment is expected to grow faster than the average for all occupations. Population growth, particularly among the elderly, and dental prepayment plans are expected to contribute to some growth in this occupation. Increasing emphasis on orthodontic and cosmetic work is expanding demand. Graduation from an accredited two-year dental technology program improves the chance of getting a beginning job and the prospects for advancement. The outlook is best for highly skilled specialists in dentures, ceramics, or crowns and bridges.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Dental Laboratory Technicians

Dentists

Dentists examine patients and treat their teeth and oral tissues to prevent and correct dental problems. About 90 percent are general practitioners who deal with such dental problems as disease prevention, tooth fillings, restorations, cosmetic repairs, and extractions. More dentists are delegating duties to hygienists and dental assistants and are concentrating on complex dental procedures, such as root canals, crowns, and bridges. Dentists may refer patients to specialists including orthodontists or oral surgeons.

Licensing Information

Montana Licenses

"Dentist"

Licensure is authorized by Montana Code Annotated 37-4-301 through 37-4-328.

License Requirements

1. Graduation from a dental school accredited by CODA.
2. Satisfactory completion of national and regional board exams.
3. Satisfactory completion of state jurisprudence exam.
4. CPR certification.

License Renewal

Licenses expire on March 1 of each year, and may be renewed upon payment of a fee. Dentists must complete 60 hours of approved continuing education every three years. Dentists must possess a current CPR card to renew.

Fees

Exam (written)	$ 85
Original license	100
Annual renewal	153

NOTE: Information on fees and arrangements for the national and regional board exams must be obtained through the National Board of Dental Examiners and the Western Regional Examining Board.

Special Comments or Conditions

Dentists must obtain a permit from the Montana Board of Dentistry in order to administer general anesthesia or conscious sedation to patients. Additional training is generally required to obtain these permits.

For Details and Licensing Application Materials, Contact

Montana Board of Dentistry
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3745

Occupational Information

Current Employment

About 684 are licensed to practice in this small occupation in Montana.

Wages

In Montana, the average wage is $8,035/month. Costs of establishing a practice are high and income during the first year of private practice is low. As the practice develops, earnings tend to rise.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. Dental services are in great demand in high-income areas, but it is easier to build a new practice in a smaller community where competition is less intense. Recessions affect earnings, since people without jobs or insurance tend to postpone dental care. Increased demand is expected as people become more aware of preventive and restorative dental care and hygiene. Expansion of dental insurance plans and dental research could increase the demand for dental services. A decline in dental school enrollments is expected to affect the outlook as well. This occupation has extremely low turnover.

For more information, see Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Dentists

Dietitians

Dietitians use their knowledge of nutrition and foods to help people maintain or regain good health. Dietitians plan menus and diets, supervise preparation and production of food, and manage personnel and food purchases. Administrative dietitians plan and supervise the preparation of meals in hospitals and schools. Therapeutic dietitians counsel persons with special diet needs. Dietetic educators teach nutritional principles to the general public and to health professionals. Most use computers for menu planning, recipe development, dietary analysis, and inventory control.

Licensing Information

Montana Licenses

"Nutritionist"
"Registered Dietitian (RD)"

Licensure is authorized by Montana Code Annotated 37-25-301 through 37-25-308.

License Requirements

1. A baccalaureate and master's or doctoral degree in the field of dietetics, food and nutrition, or public health nutrition conferred by an accredited college or university.
2. Registration with the Commission on Dietetic Registration.

License Renewal

Licenses expire on October 31 of each year, and may be renewed upon payment of a fee and proof of current registration with the Commission on Dietetic Registration.

Fees

Application and original license	$45
Annual renewal	25

For Details and Licensing Application Materials, Contact

Montana Board of Medical Examiners
111 N. Jackson
PO Box 200513
Helena, MT 59620-0513
(406) 444-9395

Occupational Information

Current Employment

There are 171 licensed dieticians in Montana.

Wages

The average wage in Montana is $1,510/month. Dietitians in Montana state government earn an average of $2,160/month.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. A major factor is continued public interest in physical fitness and diet to maintain health. Other factors are expanded health insurance programs covering nutritional counseling, and government funding for research on the effects of diet on health.

For more information, see Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Dietitians

Education Administrators

Education administrators manage the business and academic operations of schools and colleges. Education administrators recruit and supervise personnel. They prepare and present budgets. They oversee the maintenance and development of school facilities and services. They often work with other public officials to plan and manage programs of education. Education administrators may work as superintendents of school districts, vice-principals and principals of elementary and high schools, presidents and vice-presidents of colleges, state chancellors of higher education, academic deans and department heads.

Licensing Information

Montana Certificates

"Class 3-Administrative"

Certification of public elementary and secondary school administrators is authorized by Montana Code Annotated 20-4-101 through 20-4-111.

Certificate Requirements

1. A master's degree in school administration, or equivalent.
2. Eligibility for a teaching certificate.
3. Satisfactory completion of a basic skills test. (Can accept PPST, CBT or any other basic skills test taken for entry into or exit from a teacher education program or for certification in another state.)
4. Endorsement for the appropriate position.

<u>Endorsement as a supervisor requires:</u>

a. Master's degree in the requested supervisor area.
b. Three years of teaching experience in the requested supervisor area.
c. A teaching endorsement in the requested supervisor area.
d. Professional training of at least 14 graduate credits of specific course work

<u>Endorsement as a principal requires:</u>

a. Three years of teaching experience at appropriate level.
b. 14 graduate semester credits of approved graduate study in education.
c. Eligibility for teaching certificate at appropriate level.

Endorsement as a superintendent requires:

a. 8 graduate semester credits of specific graduate study in education.
b. 8 graduate semester credits of specific course work at opposite level as teacher preparation.
c. One year of administrative experience, or one year of a supervised internship as superintendent.
d. Must qualify for principal endorsement.
e. Must qualify for teacher certification.

Certificate Renewal

Certificates expire on July 1 every five years, and may be renewed upon payment of a fee, verification of one year teaching or administrative experience during the term of the certificate, and 60 renewal units.

Fees

Registration	$ 6
Original certificate	30
Five-year renewal	30

For Details and Licensing Application Materials, Contact

Office of Public Instruction
P.O. Box 202501
Helena, MT 59620-2501
(406) 444-3150

Occupational Information

Current Employment

About 1,142 are employed in this medium-sized occupation in Montana.

Wages

Wages vary with duties, years of experience, and type, size, and location of the institution. The average wage in Montana for an Educational Program Director is $2,455/month. Education administrators in Montana state government average about $3,220/month.

Outlook

Employment is projected to grow slower than the statewide average for all occupations in Montana. The outlook depends on the student population and public financial support. Educational services may expand to meet the needs of preschoolers and adult learners. Teachers and other school staff members who meet educational and experience requirements may advance into administrative jobs. The number of openings is usually small, so only the most highly qualified are selected.

For more information, see Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Education Administrators

Electricians

Electricians install wiring and maintain electrical equipment such as generators and lighting systems. Construction electricians follow blueprints and specifications for most installations. To install wiring in factories and offices, they may bend, fit, and fasten conduit (pipe or tubing) inside partitions, walls, or other concealed areas. They also fasten switch boxes to walls. These are small metal boxes that hold electrical devices such as switches. To complete circuits between outlets and switches, electricians pull insulated wires or cables through conduits, then they connect wiring to circuit breakers, transformers, and other components. When wiring is finished, they test the circuits for proper connections. Maintenance electricians keep lighting systems, transformers, generators, and other electrical equipment in good working order. Although duties vary with employer, they spend much of their time doing preventive maintenance. They may install electrical equipment.

Licensing Information

Montana Licenses

"Residential Electrician"
"Journeyman Electrician"
"Master Electrician"

Licensure is authorized by Montana Code Annotated 37-68-301 through 37-68-322.

License Requirements

For residential electricians:

1. Two years of apprenticeship (4,000 hours) in the electrical trade, or two years (4,000 hours) of practical experience in new construction wiring for light, heat, and power.
2. Satisfactory completion of a written exam.

For journeyman electricians:

1. Four years of apprenticeship (8,000 hours) in the electrical trade, or four years (8,000 hours) of practical electrical experience in new construction wiring for light, heat, and power.
2. Satisfactory completion of a written exam.

For master electricians:

Graduation from an electrical engineering program at an accredited college plus one year of practical electrical experience, or graduation from an electrical trade school plus four years of practical experience in electrical work, or five years planning, laying out or supervising the installation and repair of wiring apparatus or equipment for electric light, heat, and power at a journeyman level.

License Renewal

Licenses expire on July 15 every three years, and may be renewed upon payment of a fee and continuing education requirements. All levels of electricians are required to complete 24 hours of continuing education every three years as a condition of renewal.

Fees

Application	$20
Exam	50
Original license	
Residential	$100
Journeyman	100
Master	100
Three-year renewal	
Residential	$100
Journeyman	100
Master	100

For Details and Licensing Application Materials, Contact

Montana State Electrical Board
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-4390

Occupational Information

Current Employment

About 1,339 are employed in this medium-sized occupation in Montana. In addition, others are self-employed. There are about 1,300 journeyman, 900 master, and 35 residential electricians licensed in Montana. There were 253 registered apprentices in 1997 in Montana.

Wages

The average entry wage in Montana is $11.10/hour; the average wage is $17.50/hour. The journey-level union wage rate for communications technicians is $12.50/hour. The average wage rate for electricians working on public construction projects is $17.15/hour. In Montana state government, electricians earn about $12/hour. Maintenance electricians average about $10.90/hour.

Outlook

Employment is projected to grow as fast as the average for all occupations in Montana. The outlook depends mainly on construction and manufacturing activities, which are sensitive to general economic conditions and loan interest rates. Maintenance electricians with training in electronic controls have a better chance of finding work. Entrance into apprenticeship programs may be very competitive.

For more information, see Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Electricians

Electrologists

Electrologists permanently remove unwanted hair using electric needles. After sterilizing patient's skin, they insert electrically charged needles into the hair follicles to destroy hair roots. They remove the hair from its follicle.

Licensing Information

Montana Licenses

"Electrologist"

Licensure is authorized by Montana Code Annotated 37-32-301 through 37-32-311.

License Requirements

1. Minimum age of 18 years.
2. Graduation from high school, or equivalent.
3. Completion of an approved electrology program of 650 hours.
4. Satisfactory completion of the state board exam.

License Renewal

Licenses expire on December 31, and may be renewed biennially upon payment of a fee.

Fees

Exam	$89
Original license	45
Biennial renewal	45

Special comments or Conditions

Separate shop licenses are required for shop owners.

For Details and Licensing Application Materials, Contact

Montana Board of Cosmetologists
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-4288

Occupational Information

Current Employment

There are 65 licensed electrologists in Montana. This is a very small occupation in Montana.

Wages

Electrologists receive income either from commissions or wages and tips. Earnings depend on the size and location of the shop, the number of hours worked, customers' tipping habits, competition from other shops and the ability to attract customers.

Elementary and High School Teachers

Elementary and high school teachers provide classroom instruction to students in kindergarten through twelfth grade. Elementary teachers usually teach kindergarten through eight-grade students. They teach students basic concepts in math, language arts, science, and social studies. When teaching kindergarten classes, they introduce small children to formal learning. High school teachers specialize in teaching one or more subjects to high school students.

Licensing Information

Montana Certification

"Class 1-Professional"
"Class 2-Standard"
"Class 4-Vocational"

Certification is authorized by Montana Code Annotated 20-4-101 through 20-4-111.

Certification Requirements

For Class 1-Professional certificates:

1. Minimum age of 18 years.
2. A master's degree in education, or equivalent.
3. Three years of teaching experience at the elementary or secondary level.
4. Completion of an approved teacher education program, including student teaching.
5. Satisfactory completion of a basic skills test (can accept the PPST, CBT or any other basic skills test taken for entry into or exit from a teacher education program or for certification in another state.)

For Class 2-Standard certificates:

1. Minimum age of 18 years.
2. A bachelor's degree.
3. Completion of an approved teacher education program, including student teaching.
4. Satisfactory completion of a basic skills test (can accept the PPST, CBT or any other basic skills test taken for entry into or exit from a teacher education program or for certification in another state.)

For Class 4-Vocational certificates:

1. Graduation from high school, or equivalent.
2. Five years of work experience in a specialized vocational area.
3. Approximately one year approved college course work.
4. 150 hours of student teaching or equivalent.

Certificate Renewal

Certificates expire on June 30 every 5 years. Renewal requires one year of teaching experience and 60 renewal units earned during the five-year period. Some college credit must be taken to renew the "class 2 standard " certificate.

Fees

Registration	$ 6
Original certificate	30
Annual renewal	30

NOTE: Information on fees and arrangements for the pre-professional skills test or computer-based test may be obtained from any college test center.

For Details and Certification Application Materials, Contact

Office of Public Instruction
PO Box 202501
Helena, MT 59620-2501
(406) 444-3150

Occupational Information

Current Employment

About 14,068 are employed as school teachers in this very large occupation in Montana. Of this number, about 6,656 are elementary school teachers, 1,093 special education teachers, and 878 are vocational education teachers.

Wages

Wages vary with school district, education, level of instruction, and experience. Wages for beginning public school teachers with a four-year degree average about $1,375/month. Those with a master's degree and many years of experience earn about $2,360/month. In Montana state government, average wages range from $1,460 to $2,420/month. Teachers in private schools usually earn less than those in public schools. (Since teachers normally work nine months a year, the monthly salaries given here were computed by dividing annual salaries by 12.)

Outlook

Employment for elementary teachers is projected to grow slower than the statewide average for all occupations in Montana. Employment for high school teachers is projected to grow as fast as the statewide average for all occupations in Montana.

Employment for kindergarten and special education teachers is projected to grow faster than the statewide average for all occupations in Montana. The outlook depends on student enrollments and public funding of schools. In turn, student enrollments are affected by population shifts, especially migration to southern and western states. Opportunities are good for teachers in rural areas. For secondary teachers, job prospects may be best in science, math, and computer programming. Increasing opportunities are expected in special education, bilingual education, and vocational education.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Elementary School Teachers, High School Teachers, Special Education Teachers, Vocational Education Teachers

Emergency Medical Technicians

Emergency medical technicians (EMTs) give immediate care to critically ill or injured people and may move them to hospitals. EMTs determine the nature and extent of illness or injury and provide first aid and other emergency medical care. EMTs administer drugs, lift and carry patients on stretchers to ambulances, and radio patients' condition to medical personnel at hospitals. They replace supplies and inspect and maintain ambulances and medical equipment.

Licensing Information

Montana Certification

"EMT-Basic"
"EMT-Advanced (Intermediate or Paramedic)"
"EMT-Defibrillation"

Certification is authorized by Montana Code Annotated 50-6-201 through 50-6-207.

Certification Requirements

For basic certification:

1. Minimum age of 18 years.
2. Graduation from high school, or equivalent.
3. Completion of an approved EMT program.
4. Ten hours of in-hospital clinical experience.
5. Satisfactory completion of written and practical exams.

For advanced certification:

1. Minimum age of 19 years.
2. Certification as an EMT-basic.
3. Current employment as an emergency care provider with at least one year of pre-hospital patient care experience.
4. Completion of an approved intermediate or paramedic EMT program.
5. Satisfactory completion of written and practical exams.

For defibrillation certification:

1. Certification as an EMT-basic.
2. Completion of an approved EMT-defibrillation program.
3. Satisfactory completion of written and practical exams.

Certificate Renewal

Certificates expire on March 31 every two years. The amount of continuing education required to renew varies according to the level of certification.

Fees

For basic and defibrillation:	
Exam and original certificate	$35
Two-year renewal	15
For intermediate:	
Exam and original certificate	$60
Two-year renewal	20
For paramedic:	
Exam and original certificate	$85
Two-year renewal	30

For Details and Certification Application Materials, Contact

Department of Public Health and Human Services
Montana Emergency Services Bureau
Cogswell Building
1400 Broadway
PO Box 200901
Helena, MT 59620
(406) 444-3895

Occupational Information

Current Employment

About 558 are employed in this medium-sized occupation in Montana. About 2,500 are certified as basic emergency medical technicians in Montana and 250 are certified as intermediate emergency medical technicians; 156 are certified as paramedics. Many work as volunteers or in jobs with primary tasks in fire fighting or law enforcement.

Wages

Wages vary with employer, geographic location, level of training, certification, and experience. The highest wages are paid by municipal fire departments. Many EMTs work as volunteers to gain experience and improve their level of certification. Some are

paid by the trip. In Montana, the average wage for EMTs is $1,435/month. The average wage for ambulance drivers is $1,475/month. Paramedics earn an average of $2,270/month.

Outlook

Employment is projected to grow slower than the statewide average for all occupations in Montana. In many communities, emergency services are provided by fire fighters and law enforcement officers who are certified EMTs. Thus, less employment growth is expected in the number of paid jobs that have emergency medical care as their major role. The numbers who are certified are growing. Opportunities for paid EMT jobs will be best in local governments and private ambulance firms. Some hospitals hire EMTs and many contract emergency services to other agencies. Turnover will create some openings.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Emergency Medical Technicians

Engineers

Engineers apply the principles of science and mathematics to solve technical problems in the design, production, or construction of goods or building projects. Duties vary with engineering fields, but may include planning and overseeing construction and research projects, designing equipment and machinery, and inspecting and testing materials and products.

Licensing Information

Montana Registration

"Engineer Intern (EI)"
"Professional Engineer (PE)"

Registration is authorized by Montana Code Annotated 37-67-301 through 37-67-332.

Registration Requirements

For engineer interns:

1. Graduation from an approved engineering or engineering technology program.
2. Satisfactory completion of a NCEES FE exam.

For professional engineers:

1. Graduation from an approved engineering or engineering technology program, or the equivalent.
2. Four years of experience on engineering projects under supervision of registered professional engineer.
3. Satisfactory completion of written exams.

Registration Renewal

Registrations expire on July 1 of every even-numbered year. Engineers must complete 520 hours per year of practice, formal course work, or other approved study to renew their registration for the 1998-2000 renewal cycle.

Fees

For engineer interns:

Application and exam	$40

For professional engineers:

Application and exam	
(with Montana EI)	$120
(with out-of-state EI)	140
Two-year renewal	40

For Details and Certification Application Materials, Contact

Montana Board of Professional Engineers and Land Surveyors
111 N. Jackson, Arcade Building
PO Box 200513
Helena, MT 59620-0513
(406) 444-4285

Occupational Information

Current Employment

About 1,912 re employed in this large occupation in Montana. In addition, others are self-employed.

Wages

The average entry wage in Montana varies from about $2,100 to $2,745/month. The average wage varies from about $3,100 to $3,490/month. Engineers working in Montana state government earn between $1,710 and $2,935/month. Petroleum engineers earn somewhat more than mining engineers.

Outlook

Employment for industrial and mechanical engineers is projected to grow faster than the statewide average for all occupations in Montana; little to no change in employment is expected for agricultural engineers. Employment is expected to grow slower than the statewide average for mining and electrical and electronics engineers and a decline is expected in employment for chemical and petroleum engineers. The long-term outlook for engineers depends mainly on levels of investment in industrial plants and equipment to meet the demand for goods and services and to increase productivity.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Engineers, Aerospace, Agricultural, Chemical, Civil, Electrical, Industrial, Mechanical, Mining, Petroleum

Fire Prevention System Installers

Fire prevention system installers install fire alarm systems, fire extinguishers, extinguishing systems and special fire suppression systems. Fire alarm system installers install fire alarms. Fire extinguishing system installers install fire sprinkler systems, including underground and overhead piping, ponds, tanks, pumps, or devices necessary for water supplies. Special agent fire suppressions system installers install special extinguishing systems that include dry chemical, carbon dioxide, halogenated, gaseous agent, form and wet chemical systems.

Licensing Information

Montana Licenses

A person or entity licensed is authorized to engage in the business of servicing fire extinguishers or engage in the business of selling, servicing or installing fire alarm systems, special agent fire suppression systems or fire extinguishing systems.

An endorsement authorizes the individual to sell, service or install fire alarm systems, special agent fire suppression systems, or fire extinguishing systems.

Licensure is authorized by Montana Code Annotated 50-39-101 through 50-39-107.

License Requirements

1. Currently holds the equivalent of endorsement in another jurisdiction provided that the endorsement or equivalent was obtained by the applicant through passage of an examination approved by the Department of Commerce.
2. Successful completion of the examination elements for a level II certification from NICET, for the system(s) for which endorsement is sought.
3. Successful completion of an approved apprenticeship program that includes successful passage of an examination, approved by the Department of Commerce, as a component of successful completion; or
4. Is currently licensed as an engineer in any jurisdiction that has licensure standards as stringent as or more stringent than those for licensure as an engineer in the state of Montana.

License Renewal

Licenses expire on May 31 of each year, and may be renewed upon payment of a fee.

Fees

New Endorsement	
Application processing	$ 25
Endorsement	100
New License	
Application Processing	$100
License	200
Endorsement	100
Annual renewal	
License	200
Endorsement	100

For Details and Licensing Application Materials, Contact

Fire Prevention Licensing Program
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3728
(406) 444-1667 Fax

Occupational Information

Current Employment

There were 131 active companies licensed and 257 endorsements in 1997.

Funeral Directors and Embalmers

Funeral directors and embalmers prepare bodies for burial and arrange funeral services. Funeral directors take complete care of a deceased person from the time of the death until after the funeral services are concluded. Funeral directors arrange for transportation of the body to the mortuary where it is either cremated or embalmed. If embalmed, the body is placed in a casket for services or burial. Funeral directors work with family members in selecting a casket, arranging for burial location, religious rites, services, and time and place of services.

Licensing Information

Montana Licenses

"Intern Mortician"
"Mortician"

Licensure is authorized by Montana Code Annotated 37-19-301 through 37-19-316.

License Requirements

For intern morticians:

1. Minimum age of 18 years.
2. Minimum of 60 semester hours or 90 quarter hours at an accredited college or university.
3. Graduation from an accredited college of mortuary science.
4. Satisfactory completion of the national board exam.
5. Satisfactory completion of a written exam.

For morticians:

Upon completion of a one-year internship under the supervision of a licensed mortician, an intern may apply for and receive a mortician's license.

License Renewal

Licenses expire on July 1 of each year. Morticians must complete 6 hours of continuing education every year to renew their licenses. A maximum of 6 hours of continuing education may be carried to the next year.

Fees

Application and exam	$75
Original license	
Intern	30
Mortician	60
Annual renewal	60

Special Comments or Conditions

A separate license is required to operate a mortuary and/or crematory. Information on licensing of mortuaries and crematories can be obtained from the Board of Funeral Service.

For Details and Licensing Application Materials, Contact

Montana Board of Funeral Service
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-5433

Occupational Information

Current Employment

About 141 are employed in this small occupation in Montana. In addition, others are self-employed. There are 168 licensed morticians in Montana.

Wages

Wages vary by geographic area, size and type of community, and size of the firm. The average wage for funeral directors is about $3,670/month. Owners of funeral homes generally earn more.

Outlook

Employment is projected to grow slower than the statewide average for all occupations in Montana. The outlook depends on the number of funeral homes and on replacement of funeral directors and embalmers who leave the occupation. Currently, there is little turnover. Demand is expected to increase because of larger numbers of people who are reaching old age and approaching death.

For more information, see Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Funeral Directors and Embalmers

Hairstylists

Hairstylists provide grooming services to help people improve their personal appearance. According to their specialty, they shampoo, cut, shape, style, and color hair; shave or trim mustaches and beards; give manicures and scalp and facial treatments; and provide make-up analyses. Estheticians perform services on the face and neck such as facials, waxing, and makeup. Hairstylists may make appointments and clean instruments. Manicurists provide services on hands, nails and feet such as artificial nails, manicures, and pedicures. They sell lotions, tonics, wigs, and hairpieces. They maintain the shop area. If they are the shop owners, they order supplies, pay bills, keep records, and hire employees.

Licensing Information

Montana Licenses

"Cosmetologist"
"Manicurist"
"Estheticians"

Licensure is authorized by Montana Code Annotated 37-31-301 through 37-31-334.

"Barber"

Licensure is authorized by Montana Code Annotated 37-30-301 through 37-30-311

License Requirements

For cosmetologists:

1. Minimum age of 18 years.
2. High school diploma or equivalent.
3. Graduation from a registered school of cosmetology, or equivalent (2,000 hours).
4. Satisfactory completion of national written and practical exams.

For manicurists:

1. Minimum age of 18 years.
2. A high school diploma, or equivalent.
3. Graduation from a registered school of manicuring, or equivalent (350 hours).
4. Satisfactory completion of national written and practical exams.

For estheticians:

1. Minimum age of 18 years.
2. A high school diploma or equivalent.
3. Graduation from a registered school of esthetics, or equivalent (650 hours).
4. Satisfactory completion of national written and practical exams.

For barbers:

1. Minimum age of 18 years.
2. Graduation from the eighth grade.
3. Graduation from a licensed barber school, or equivalent (2,000 hours).
4. A physician's certificate stating that the applicant is free of communicable diseases that might endanger public health.
5. Satisfactory completion of national written and practical exams.

License Renewal

Cosmetologists' and manicurists' licenses expire on December 31 biennially, and barbers' licenses expire on March 31 of each year. Licenses may be renewed upon payment of a fee.

Fees

For cosmetologists:

Exam	$89
Original license	45
Biennial renewal	45

For manicurists:

Exam	$89
Original license	45
Biennial renewal	45

For estheticians:

Exam	$89
Original license	45
Biennial renewal	45

For barbers:

Exam	$100
Original license	30
Annual renewal	25

Special Comments or Conditions

Separate shop licenses are required for shop owners and schools.

For Details and Licensing Application Materials, Contact

For cosmetologists and manicurists:
Montana Board of Cosmetologists
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-4286

For barbers:
Montana Board of Barbers
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-4288

Occupational Information

Current Employment

There are 6,200 licensed cosmetologists and manicurists in Montana.

Wages

Wages vary with hours worked, clientele, tips, shop location and size, and ability to attract regular customers. Earnings are often based on commissions and tips, or are a combination of hourly wages, commissions, and tips. Commissions are usually from 50 to 70 percent of the customer's fee for the services. In Montana, the average entry wage is $975/month and the average wage is $1,095/month. Wages for employees in state government range from $1,605 to $1,745/month.

Outlook

Employment for manicurists, hairstylists and barbers is projected to grow slower than the average for all occupations in Montana. The outlook depends on population trends and changing consumer demands. During downturns in the economy, earnings may decline as customers visit hair stylists less often. Rarely, however, are hair stylists laid off solely because of poor economic conditions. Those able to work with many types of hair cuts and styles will fare best in finding jobs, as will stylists with experience in hair coloring.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Hairstylists

Health Services Administrators

Health services administrators manage hospitals and other health facilities to provide patient care. Health services administrators develop and direct programs in preventive medicine, scientific research, staff training, and community health and welfare education. They manage employees and physical facilities. They develop and review budgets and accounting procedures and help determine fees for health care services. Health services administrators make speeches before various community groups.

Licensing Information

Montana Licenses

"Nursing Home Administrator"

Licensure is authorized by Montana Code Annotated 37-9-101 through 37-9-312.

License Requirements

1. Is of good character, of sound physical and mental health, has received a high school diploma or its equivalent.
2. Satisfactory completion of a course of instruction and training prescribed by Board rule.
3. Satisfactory completion of national board nursing home administrator exam.
4. Three letters of reference.
5. Satisfactory completion of the open-book exam on the law and rules for nursing home administrators.

License Renewal

Licenses expire on December 31 of each year, and may be renewed upon payment of a fee. Nursing home administrators must complete 25 hours of continuing education each year to renew their licenses.

Fees

Application	$ 30
Exam and license	
for April exam	100
for October exam	120
Annual renewal	
active	60
inactive	30
Temporary permit	40

Special Comments or Conditions

See 8.34.414A for the minimum requirements to be eligible for the national exam.

For Details and Licensing Application Materials, Contact

Montana Board of Nursing Home Administrators
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3561

Occupational Information

Current Employment

About 628 are employed as health services administrators in this medium-sized occupation in Montana. There are 300 licensed nursing home administrators in Montana.

Wages

Wages vary with location and size of the hospital or medical facility. The average wage for health care facility managers in Montana is $4,095/month. Montana directors of community-health nursing average $3,345/month. Health care administrators working in state agencies average about $3,080/month.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. The outlook depends on expansion of existing health care facilities and construction of new hospitals. It depends on the development of new services and continued public interest in health care programs. Another factor is alternatives to hospitalization. These reduce the openings in hospitals and increase the opportunities in group medical practices and health maintenance organizations. Employment in nursing homes is expected to increase because of the growing number of people over the age of 65. Job prospects may be slightly better in small towns or rural areas. A master's degree in hospital administration, health services administration, public health, public administration, or business administration is considered standard for most generalist positions in larger organizations, while a bachelor's degree may be fine for smaller nursing homes or rural area service.

For more information, see Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Health Services Administrators

Hearing Aid Dispensers

Hearing aid dispensers sell and fit hearing aids. Using audiometers, they test people's hearing to determine the need for hearing aids. They help customers select a type and style of hearing aid, and demonstrate how they are used.

Licensing Information

Montana Licenses

"Hearing Aid Trainee"
"Hearing Aid Dispenser"

Licensure is authorized by Montana Code Annotated 37-16-401 through 37-16-413.

License Requirements

For hearing aid trainees:

1. Graduation from high school, or equivalent.
2. Satisfactory completion of a written exam.

For hearing aid dispensers:

After a 180-day training period, trainees who satisfactorily complete written and practical exams must be licensed as hearing aid dispensers.

License Renewal

Licenses expire on July 1 of each year. Hearing aid dispensers must complete 10 hours of continuing education each year to renew their licenses.

Fees

Application, exams and trainee license	$150
Original license (after training period)	100
Annual renewal	125

Special Comments or Conditions

Audiologists who are applying for licenses to dispense hearing aids are exempt from the 180-day training requirement.

For Details and Licensing Application Materials, Contact

Montana Board of Hearing Aid Dispensers
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-5433

Occupational Information

Current Employment

There are 79 licensed hearing aid dispensers in Montana.

Heavy Equipment Operators

Heavy equipment operators run bulldozers, power shovels, cranes, tractors, and pile drivers. Bulldozer operators run tractors equipped with blades, cable winches, or arches to level and dig out earth, trees, and rocks. Operating engineers run machines used in heavy construction to dig up, remove, grade, and smooth earth. They operate cranes to move heavy materials and equipment.

Licensing Information

Montana Licenses

"Third Class Hoisting Engineer" (for truck crane oilers)
"Second Class Hoisting Engineer"
"First Class Hoisting Engineer"
"First Class Crane Hoisting"
"Second Class Crane Hoisting"

Licensure is authorized by Montana Code Annotated 50-76-101 through 50-76-109.

"First Class Mine Hoisting"
"Second Class Mine Hoisting"

Licensure is authorized by Montana Administrative Rules 8.15.204

License Requirements

1. Minimum age of 18 years.
2. A biennial physical exam (not required for third class licenses).
3. Experience with equipment in the class for which licensure is sought:

License	Experience Required	Type of Equipment
Third class	--	For oilers who move truck cranes
Second class	2 years	Cranes of 6-15 tons or boom length of 25-60 feet; hoists not in excess of 100 brake horsepower
First class	3 years	All types
Mine Hoisting		
First class	3 years	--
Second class	2 years	--

4. Satisfactory completion of a written exam.

License Renewal

Licenses expire one year from the date of issue. First and second class hoist and crane operators are required to have a physical exam and pay a fee to renew their licenses.

Fees

Original license	
Third class	$40
Second class	50
First class	60
Annual renewal	16
Mine hoisting	
First class	80
Second class	70
Renewal	40

Special Comments or Conditions

Applicants for mine hoisting licenses who have at least one year of experience but less than two years for a second class or less than three years for a first class must do a practical hands-on exam as well the written exam.

For Details and Licensing Application Materials, Contact

Montana Department of Commerce
Professional and Occupational Licensing Bureau
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-1653

Occupational Information

Current Employment

About 3,291 are employed in this large occupation in Montana. Employment increases in the summer months when logging, mining, and construction activities are greatest. There were 15 active apprentices in Montana in 1997.

Wages

Wages vary with weather, type of equipment, size of metropolitan area, and construction activity. The average entry wage ranges from $8.15 to $10.40/hour and the average wage ranges from $10.40 to $14.35/hour.

Outlook

Employment is projected to decline in Montana. The outlook depends on the level of construction activity, economic conditions, and availability of funding for large construction projects and road maintenance. Job openings will occur as workers leave the occupation. More jobs are available in spring and summer months since construction activity increases during warmer weather. Because construction activity is highly sensitive to economic conditions, the number of openings varies from year to year.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Heavy Equipment Operators

Insurance Adjusters and Examiners

Insurance adjusters and examiners review and process loss or damage claims made against insurance companies. Insurance adjusters and examiners analyze claims to determine the limit of the company's responsibility. They gather facts to decide what amount of compensation to pay for loss or damage. Insurance adjusters and examiners interview people in person or by telephone, inspect damaged property, and consult police and hospital records. They prepare reports on their findings and settle claims. They estimate future costs of claims in order to reserve enough money to pay for them. The specific duties of insurance adjusters and examiners vary from company to company.

Licensing Information

Montana Licenses

"Adjuster"

Licensure is authorized by Montana Code Annotated 33-17-101 through 33-17-301.

License Requirements

1. Minimum age of 18 years.
2. Current full-time employment in an adjusting firm, or equivalent experience.
3. An office in Montana.

License Renewal

Licenses expire on August 31 of each year, and may be renewed upon payment of a fee.

Fees

Original license	$15
Annual renewal	15

For Details and Licensing Application Materials, Contact

State Auditor's Office
Montana Insurance Department
PO Box 4009
Helena, MT 59604
(406) 444-2040

Occupational Information

Current Employment

About 308 are employed in this small occupation in Montana.

Wages

In Montana, the average wage for insurance claim examiners is $2,190/month. The average wage for adjusters is $2,720/month.

Outlook

Employment is projected to grow faster than the statewide average for all occupations in Montana. The outlook depends on continued growth of the insurance industry and the population in general. Property owners generally consider insurance a necessary expense. State laws require that most employers provide workers' compensation insurance coverage for employees. States now usually require that car owners have liability insurance. Some insurance jobs are changing as a result of automation. Automation is not expected to reduce the demand for insurance adjusters and examiners because they need to make individualized decisions on each case, considering and weighing various factors. Job prospects are best for those who specialize in workers' compensation, marine cargo, or product and pollution liability coverage.

For more information, see Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Insurance Adjusters and Examiners

Insurance Agents

Insurance agents sell policies to individuals and businesses for protection against losses and financial pressure. Insurance agents analyze the client's needs and resources, then recommend a specific amount and type of insurance. They maintain records, prepare reports, identify prospective customers, help collect premiums, and prepare insurance claims for clients. Agents usually sell one or more of the three basic types of insurance: life, health, or property and liability (casualty).

Licensing Information

Montana Licenses

"Insurance Producer"

Licensure is authorized by Montana Code Annotated 33-17-101 through 33-17-1207.

License Requirements

1. Minimum age of 18 years.
2. Experience or training in the type of insurance for which licensure is sought.
3. Appointment as an agent by an authorized insurer.
4. Satisfactory completion of a written exam.

Fees

Exam	$ 75
Original license	
Residents	15
Non-residents	100
Annual renewal	10 (non-residents only)

NOTE: An appointment fee of $15 is also required for agents, but may be paid by the company instead of the agent. A continuing education filing fee of $10 is also required annually.

For Details and Licensing Application Materials, Contact

State Auditor's Office
Montana Insurance Department
PO Box 4009
Helena, MT 59604
(406) 444-2040

Occupational Information

Current Employment

About 860 are employed in this medium-sized occupation in Montana. In addition, many are self-employed.

Wages

Wages vary with the type of insurance, skill, and experience. The average entry wage in Montana is about $1,595/month; the average wage is $1,935/month. Beginning agents usually receive a training salary. After establishing a clientele, most earn commissions instead. Casualty agents usually earn more than life or health insurance agents. Independents receive few, if any, fringe benefits.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. Although population and business growth is expected to increase insurance sales, the trend toward more policies being sold by mail and the increasing use of electronic data processing will limit the demand for insurance agents. Jobs are almost always available for beginners because of the high first-year turnover. Beginners often find it hard to build a clientele and many quit during the first few years. Ambitious people who can develop expertise in a wide range of insurance and financial services will fare best.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Insurance Agents

Landscape Architects

Landscape architects plan and design outside areas for useful and aesthetic purposes. They work on residential yards, public works projects, commercial developments, parks, and other public places. They study the site and draw up plans. They make sketches, drawings and models, and supervise the work.

Licensing Information

Montana Licenses

"Landscape Architect"

Licensure is authorized by Montana Code Annotated 37-66-301 through 37-66-323.

License Requirements

Satisfactory completion of the national board exam.

License Renewal

Licenses expire on July 1 of each year, and may be renewed upon payment of a fee.

Fees

Application	$125
Exam (L.A.R.E.)	varies
Original license	50
Annual renewal	175

For Details and Licensing Application Materials, Contact

Montana Board of Landscape Architects
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-5433

Occupational Information

Current Employment

About 23 are employed in this very small occupation in Montana. In addition, others are self-employed. There are 30 licensed landscape architects in Montana.

Wages

Wages vary depending on type of company, sector of work, and level of worker's responsibility. Many landscape architects work for small firms or are self-employed.

Outlook

Employment for landscape architects is projected to show little growth in Montana. The level of new construction plays an important role in determining demand for landscape architects.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Landscape Architects

Lawyers

Lawyers advise clients of their legal rights and obligations and represent them in courts of law. Lawyers often negotiate out-of-court settlements, represent clients before government agencies, prepare contracts and wills, and act as trustees or executors. An attorney's day may include research in a law library and in public records, interviewing clients and witnesses, and writing legal arguments. They appear in courtrooms for only a small percentage of their time and some lawyers rarely appear in court. After years in practice, some become judges or magistrates, who preside over courts of law. Duties may include advising participants in court cases as to proper legal procedures, examining evidence, and managing the court system's employees.

Licensing Information

Montana Licenses

"Attorney" or "Counselor at Law"

Licensure is authorized by Montana Code Annotated 37-61-201 through 37-61-215.

License Requirements

1. Degree from ABA accredited law school.
2. Satisfactory completion of the Montana bar exam.
3. Attorneys can petition for waiver if they have five years of practice in another state.

License Renewal

Licenses expire on May 1 of each year, and may be renewed upon payment of a fee.

Fees

Application	$100 (students)	$300 (Attorneys licensed in another state)
Exams	390	
Enrollment	50 (students)	350 (Attorneys licensed in another state, even if exam is waived)
Annual license tax	25	
Annual Bar Association Dues	120 (Active)	50 (Inactive)

For Details and Licensing Application Materials, Contact

State Bar of Montana
PO Box 577
Helena, MT 59624
(406) 442-7660

Occupational Information

Current Employment

About 1,502 are employed in this large occupation in Montana. In addition, others are self-employed. There are about 2,500 attorneys licensed in Montana.

Wages

Wages vary with academic standing, field of law, and the type, size, and location of the law firm. Private sector earnings tend to be higher than public sector earnings. Lawyers who are self-employed may have lower incomes at first. However, as they gain more experience, their earning potential increases. In Montana, the average wage is $4,680/month. Lawyers working in Montana state government earn $2,460 to $4,270/month.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. The outlook depends on demand for legal services, the need to replace lawyers who leave the profession, and the number of new law school graduates. Competition is keen for associate positions leading to law firm partnerships. Because of increased enrollments and low turnover, competition for jobs is expected to remain strong in the years ahead.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Lawyers

Licensed Practical Nurses

Licensed practical nurses (LPNs) help care for injured, sick, and disabled people. LPNs give some medicines to patients, monitor equipment, change dressings, take temperatures and blood pressure, and help patients with personal hygiene. They may help in the delivery, care, and feeding of infants. Some work in intensive care or recovery rooms. LPNs who work in private homes usually care for a single patient. They may prepare meals and do general housekeeping.

Licensing Information

Montana Licenses

"Licensed Practical Nurse"

Licensure is authorized by Montana Code Annotated 37-8-401 through 37-8-444.

License Requirements

1. A high school diploma, or equivalent.
2. Graduation from an approved practical nursing program.
3. Satisfactory completion of the National Council Licensing Exam.

License Renewal

Licenses expire on December 31 of each year, and may be renewed upon payment of a fee and completion of renewal application.

Fees

Application	$70
Annual renewal	40

NOTE: Information on fees and arrangements for the national board exam must be obtained through the Board of Nursing.

For Details and Licensing Application Materials, Contact

Montana State Board of Nursing
111 N. Jackson, Arcade Building
PO Box 200513
Helena, MT 59620-0513
(406) 444-2071

Occupational Information

Current Employment

About 2,478 are employed in this large occupation in Montana. There are 3,438 licensed practical nurses in Montana.

Wages

In Montana, the average entry wage is $8.25/hour; the average wage is $10.10/hour. LPNs in hospitals earn from $6.90 to $11/hour. Wages for LPNs working in hospitals are usually higher than for those working in nursing homes or medical offices.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. Increased demand is expected in nursing homes, home health agencies, and private duty nursing. However, such growth is not expected in hospital settings for several reasons. New medical procedures and equipment require specially trained support staff or Registered Nurses. Walk-in centers and clinics are handling less serious medical problems. Changes in the way health care is paid for will influence staffing patterns in hospitals and nursing homes. Many openings will occur to replace people who leave the occupation.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Licensed Practical Nurses

Medical Laboratory Workers

Medical laboratory workers perform tests to obtain information for physicians and other medical staff to use in prevention, diagnosis, and treatment of illnesses. Medical laboratory workers conduct chemical, bacterial, blood, and other tests on body fluid and tissue samples. The tests detect illnesses and identify bacteria or parasites living in the body. Medical laboratory workers use centrifuges, microscopes, and computers. Some specialize in cytotechnology (cell study) or histotechnology (tissue study). Others do various tasks rather than specialize. Medical technologists require more theoretical knowledge than do medical laboratory technicians. Lab assistants perform work of a more routine nature.

Licensing Information

Montana Licenses

"Medical Laboratory Technician"
"Medical Laboratory Scientist"
"Medical Laboratory Specialist"

Licensure is authorized by Montana Code Annotated 37-34-301 through 37-34-305.

License Requirements

Technician:

1. Associate degree or 60 semester/90 quarter hours in a science related field or military medical laboratory training of at least 12 months.
2. Passing score on a national certifying exam for technicians.

Scientist:

1. Bachelor's degree with at least 36 semester/54 quarter hours in the physical and biological sciences.
2. Passing score on a national certifying exam for scientists.

Specialist:

1. Bachelor's degree with at least 36 semester/54 quarter hours in the physical and biological sciences.
2. Passing score on a national certifying exam for specialists.

License Renewal

Licenses expire on May 1 of each year, and may be renewed upon payment of a fee and presentation of 14 hours of continuing education.

Fees

Original license	$90
Annual renewal	30

For Details and Licensing Application Materials, Contact

Montana Board of Clinical Laboratory Science Practitioners
111 North Jackson, Lower Level
PO Box 200513
Helena, MT 59604-0513
(406) 444-3561

Occupational Information

Current Employment

About 771 are employed in this medium-sized occupation in Montana. There are 858 licensed medical laboratory workers in Montana.

Wages

The average entry wage in Montana for medical lab technicians is $1,185/month. The average wage is $1,365/month. The average entry wage for medical technologists is $2,220/month. The average wage is $2,510/month. Those working in hospitals tend to earn the highest wages. In Montana state government, medical lab technicians earn from $1,140 to $1,900/month.

Outlook

Employment is projected to increase as fast as the statewide average in Montana. Use of laboratory tests to diagnose and treat diseases is increasing. Employment gains will be balanced by increased automation and pressures to contain health costs. Advances in biotechnology make more types of lab tests available. There is a current shortage of cytotechnologists. Overall, opportunities are expected to be better for technicians than for technologists. Prospects should be better in medical labs, clinics, and doctors' offices than in hospitals.

For more information, see the Montana Career Information System (MCIS): Computer Software Programs

CIS for Windows - Medical Laboratory Workers

Midwives

Midwives provide medical care and treatment to obstetrical patients, deliver babies, and instruct patients in prenatal and postnatal health practices. They participate in initial examination of obstetrical patients, and are responsible for care, treatment, and delivery of patients. They examine patients during pregnancy, utilizing physical findings, laboratory test results, and patients' statements to evaluate condition and ensure that patients' progress is normal. Midwives stay with patients during labor, deliver infants and perform postpartum examinations and treatments to ensure that patients and infants are responding normally. They visit patients during postpartum period to instruct patients in care of self.

Licensing Information

Montana Licenses

"Direct-entry Midwife"
"Direct-entry Midwife Apprentice"

Licensure is authorized by Montana Code Annotated 37-27-101 through 37-27-213.

License Requirements

Direct-entry midwife:

1. Possess a high school diploma or equivalent.
2. Be at least 21 years of age.
3. Satisfy educational requirements in pregnancy and childbirth approved by the Board.
4. Supply documentation of adult and infant cardiopulmonary resuscitation.
5. In a supervised setting provide 100 prenatal examinations, observe 40 births, participate as primary birth attendant at 25 births, 15 of which are continuous care.
6. Successfully pass a national written exam.

Direct-entry midwife apprentice:

Be supervised by a licensed direct-entry midwife, certified nurse midwife, physician licensed under Title 37, or a naturopathic physician with a childbirth specialty certificate.

License Renewal

Direct-entry midwife licenses expire on April 30 of each year and may be renewed upon payment of a fee and completion of 14 hours of continuing education and current CPR card. Direct-entry midwife apprentice licenses are good for one year and expire on December 31 each year thereafter for a total of four renewals. They may be renewed upon paying a fee and a current CPR card.

Fees

Direct-entry midwives:	
Application	$250
Original license	50
Examination	400
Annual renewal	250

Midwife apprentice:	
Original license	$200
Annual renewal	200

For Details and Licensing Application Materials, Contact

Montana Board of Alternative Health Care
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-5436

Occupational Information

Current Employment

There are 26 midwives and apprentices licensed in Montana.

Naturopathic Physicians

Naturopathic physicians diagnose, treat and care for patients using a system of practice that bases treatment of physiological functions and abnormal conditions on natural laws governing the human body. They utilize physiological, psychological, and mechanical methods, such as air, water, light, heat, earth, phytotherapy, minor and orificial surgery, mechanotherapy, naturopathic corrections and manipulation, and natural methods together with natural medicines, natural processed foods, and herbs and nature's remedies.

Licensing Information

Montana Licenses

"Naturopath"
"Naturopathic Childbirth Specialty Certificate"

Licensure is authorized by Montana Code Annotated 37-26-101 through 37-26-414.

License Requirements

1. Possess a four-year resident degree in naturopathy from an approved naturopathic school.
2. Be of good moral character.
3. Pass national exams in basic sciences, clinical sciences, minor surgery, and homeopathy.

Naturopathic childbirth specialty certificate requires completion of 100 hours in course work or internship or preceptorship in naturopathic childbirth attendance and a minimum of 50 supervised births under supervision.

License Renewal

Naturopath licenses expire on April 30 of each year, and may be renewed upon payment of a fee and completion of 15 hours of continuing education. An additional fee and 5 extra hours in childbirth continuing education is required for childbirth specialty certification.

Fees

Application	$300
Original license	200
Annual renewal	250

Childbirth Specialty	
Original	$100
Renewal	25

For Details and Licensing Application Materials, Contact

Montana Board of Alternative Health Care
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59604-0513
(406) 444-5436

Occupational Information

Current Employment

There are 33 licensed naturopathic physicians in Montana.

Wages

Wages vary with experience, specialty, professional reputation, patient incomes, and location and type of practice.

Nurse Practitioners

Advanced practice registered nurses (includes nurse practitioners, nurse anesthetists, nurse midwives, and clinical nurse specialists) provide general health care and treatment to patients in a variety of settings including clinics, health centers, or public health agencies. They perform physical examinations and preventive health measures. Nurse practitioners (advanced practice registered nurses) order, interpret, and evaluate diagnostic tests to identify and assess patients' clinical problems and health care needs. They record physical findings, and formulate plans and prognosis, based on patient condition. Nurse practitioners (advanced practice registered nurses) discuss cases with physicians and other health care professionals. They prescribe or recommend drugs or other forms of treatment such as physical therapy, inhalation therapy, or related therapeutic procedures. They may refer patients to physicians for consultation or to specialized health resources for treatment.

Licensing Information

Montana Licenses

"Registered Professional Nurse" (with Board recognition as an APRN)

Licensure is authorized by Montana Code Annotated 37-8-401 through 37-8-444.

License Requirements

1. A high school diploma, or equivalent.
2. Master's degree from an approved professional nursing program.
3. Satisfactory completion of the National Council Licensing Exam.
4. Transcript of advanced practice registered nurse program.
5. Certificate of program completion.
6. Evidence of preceptorship.
7. Current national certification in advanced practice registered nurse specialty.
8. Current RN license in Montana.

License Renewal

Licenses expire on December 31 of each year, and may be renewed upon payment of a fee and completion of a renewal application. Prescriptive authority renewal is every other year in even years. Must have continuing education in pharmacology for prescriptive authority renewal.

Fees

Registered nurse:	
Application	$70
Annual renewal	40
Specialty:	
Original	$50
Renewal	25
Prescriptive Authority	
Original	$75
Renewal	25

NOTE: Information on fees and arrangements for the national board exam must be obtained through the Board of Nursing.

Special Comments or Conditions

Professional nurses may be certified by the Montana State Board of Nursing to practice advanced practice nursing which includes nurse practitioner, nurse anesthetist, clinical nurse specialist, and nurse midwife. APRNs can be granted prescriptive authority.

For Details and Licensing Application Materials, Contact

Montana State Board of Nursing
111 N. Jackson
PO Box 200513
Helena, MT 59620-0513
(406) 444-2071

Occupational Information

Current Employment

There are 485 licensed advanced practice registered nurses. Of these, there are 248 licensed nurse practitioners, 138 licensed nurse anesthetists, 28 licensed nurse midwives, and 15 licensed clinical nurse specialists.

Wages

Nurse practitioners earn more than registered nurses. Wages vary due to location, type of practice and experience.

Outlook

The outlook for nurse practitioners and other advanced practice registered nurses is very good. This is an area of nursing practice that is growing.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Nurse Practitioners

Occupational Therapists

Occupational therapists develop and use treatment programs to help people with physical, emotional, and mental disabilities learn to perform the tasks of daily living. The disability or limitation may arise from physical injuries, diseases, learning problems, emotional disturbances, or the aging process. Occupational therapists evaluate patients' abilities and skills. They set goals and plan programs together with patients and other medical staff. Occupational therapists may help patients regain physical strength or relearn the daily routines of dressing and cooking. They may design and make special equipment and splints for the disabled. They may plan and direct therapeutic games and activities, especially for handicapped children.

Licensing Information

Montana Licenses

"Occupational Therapy Assistant"
"Occupational Therapist"

Licensure is authorized by Montana Code Annotated 37-24-301 through 37-24-311.

License Requirements

For occupational therapy assistants:

1. Completion of an approved occupational therapy assistant program.
2. Completion of two months of supervised field work.
3. Passage of a national board exam.

For occupational therapists:

1. Completion of an approved occupational therapy program.
2. Completion of six months of supervised field work.
3. Passage of a national board exam.

License Renewal

Licenses expire on June 15 of each year, and may be renewed upon payment of a fee and completion of ten hours of continuing education.

Fees

Application	$20
Original license	20
Annual renewal	20
Inactive	10

NOTE: Information on fees and arrangements for the exam must be obtained through the American Occupational Therapy Association.

For Details and Licensing Application Materials, Contact

Montana Board of Occupational Therapists
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3091

Occupational Information

Current Employment

About 119 are employed in this small occupation in Montana. There are 352 licensed occupational therapists in Montana.

Wages

Wages are dependent on education, experience, and type, size, and location of employer. The average wage in Montana for occupational therapists is $3,420/month. The average wage in Montana state government is $2,570/month. Pay may be somewhat higher in private hospitals, and somewhat lower in nursing homes.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations. One factor is an increase in the number of people needing long-term care and rehabilitative services. The elderly portion of the population, an age group with a greater share of disabilities, is expected to rise. Advances in medical technology will save the lives of more accident victims and children with severe birth defects. Support for rehabilitation programs in hospitals, school systems, and home health programs affects outlook. Therapists who specialize in pediatrics, psychiatry, or hand rehabilitation improve their chances of getting jobs.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Occupational Therapists

Optometrists

Optometrists examine eyes and prescribe corrective lenses or treatment to protect and improve vision. Optometrists diagnose vision problems, eye diseases, or other eye conditions. Optometrists are licensed to prescribe corrective lenses, contact lenses, and other optical aids. They prescribe vision therapy to preserve, restore, and improve vision efficiency. In some states, optometrists prescribe medication. The roles of optometrists, opticians, and ophthalmologists are sometimes confused. Opticians fabricate and dispense lenses and frames. Ophthalmologists are licensed physicians who provide medical care of the eyes.

Licensing Information

Montana Licenses

"Optometrist"

Licensure is authorized by Montana Code Annotated 37-10-301 through 37-10-313.

License Requirements

1. Minimum age of 18 years.
2. Graduation from an accredited high school.
3. Graduation from an accredited school of optometry.
4. Satisfactory completion of the national board exam.

License Renewal

Licenses expire on July 2 of each year. Optometrists must complete 36 hours of continuing education biennially to renew their license.

Fees

Application by exam	$125
Out-of-state application	250
TPA application fee	50
Annual renewal	100

For Details and Licensing Application Materials, Contact

Montana Board of Optometry
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-1698

Occupational Information

Current Employment

There are 150 licensed optometrists in Montana. This is a small occupation in Montana.

Wages

Wages vary with location, specialty, and experience. In Montana, the average wage is $3,985/month. In the short term, optometrists who start in a commercial setting or join a group practice tend to earn more than those who set up their own practice. In the longer term, optometrists in private practice generally earn more than staff optometrists. Those who are self-employed must buy their own insurance and other benefits.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. Increasing numbers of people middle-aged and older will expand the demand for optometrists. Employment growth occurs as more insurance plans cover vision care. Replacement needs create more jobs.

For more information, see the Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Optometrists

Pest Control Workers

Pest control workers set traps and release or spray poisonous gases or chemicals to kill unwanted plants and insect pests and vermin. Pest control workers inspect buildings or outside areas for pests and vermin such as termites, carpenter ants, roaches, mosquitos, mice, and moles. They determine what pests are present. Then they decide what to use to control or kill them. They measure the area to be treated and calculate the amount of poison or number of traps needed. Some dust powders or place poisonous paste or bait where pests are. They may exterminate pests with toxic gases, fogs, or sprays. They may have to clean areas that have pests to prepare for fumigation. A few cover buildings to make them airtight. Some pest control workers apply herbicides to airport runways, along roads, and beneath utility lines. Others spray forests to control moths and beetles or to get rid of broadleaf plants in tree farms or clear cut areas that have been replanted. Agricultural pest control workers exterminate plant and tree pests and diseases. They may fumigate seeds.

Licensing Information

Montana Licenses

"Commercial Applicator"
"Commercial Operator"
"Commercial Dealer"
"Farm Applicator"
"Government Pesticide Applicator"
"Government Operator"

Licensure is authorized by Montana Code Annotated 80-8-203 through 80-8-213.

License Requirements

1. Successful completion of basic exam.
2. Successful completion of specific application exam.
3. Proof of financial responsibility (commercial applicator only).

Farm applicator:

1. Successful completion of basic exam from county extension office, or
2. Six hours of training and successful completion of quiz from county extension office.

License Renewal

Licenses expire on December 31 of each year, and may be renewed upon payment of a fee. Commercial and government applicators must complete 12 hours of recertification training every four years. Farm applicator licenses must be renewed every five years. Six hours of recertification training must be completed for renewal.

Fees

License	Annual Fee	Special fee*
Commercial Applicator	$45	$30
Commercial Operator & Government Operator	10 for first 2	15 for first 2
Commercial Dealer	45	30
Farm Applicator	35 (every 5 years)	15
Government Pesticide Applicator	50 for the first 4	25
Government Pesticide Dealers	50	25

Special Comments or Conditions

*Special annual fee (in addition to the annual fee) for waste pesticide and container disposal program. Terminates June 30, 1999.

For Details and Licensing Application Materials, Contact

Montana Department of Agriculture
Agricultural Sciences Division
Technical Services Bureau
PO Box 200201
Helena, MT 59620-0201
(406) 444-5400

Occupational Information

Current Employment

This is a very small occupation in Montana. Many are either self employed or are employed as sales representatives/pest control workers. Permits were issued to about 700 commercial applicators, 1,600 commercial operators and government applicators, 8,600 farm applicators, and 470 commercial dealers in Montana in 1997.

Wages

Wages vary with duties. Most pest control workers work on a low base pay plus commission basis. Entry wages in Montana average about $6.50/hour; the average wage including commissions is $14.50/hour.

Outlook

Employment for pest control workers is projected to grow much faster than the statewide average for all occupations in Montana. This is due to the general trend towards higher use of personal services. The outlook also depends on the number of new buildings that may need treatment. High turnover creates many job openings. However, most of these openings will be filled by persons going into business for themselves.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Pest Control Workers

Pharmacists

Pharmacists dispense drugs and medicines prescribed by medical and dental practitioners. Pharmacists must be able to recognize and classify hundreds of medicines, many of which are new. Pharmacists advise customers on the use of medicines. They advise doctors, veterinarians, and others who prescribe medication on the proper selection and effect of drugs. Pharmacists may maintain patient medication profiles, buy and sell non-pharmaceutical supplies, and hire and supervise personnel. Compounding--mixing ingredients to form tablets, powders, ointments, and capsules--is now a small part of their job.

Licensing Information

Montana Licenses

"Pharmacist"

Licensure is authorized by Montana Code Annotated 37-7-301 through 37-7-324.

License Requirements

1. Graduation from an accredited school of pharmacy.
2. Completion of 1,500 hours of internship.
3. Satisfactory completion of the national board exam.

License Renewal

Licenses expire on June 30 of each year. Pharmacists must complete 15 hours of continuing education each year to renew their licenses.

Fees

Exam	$ 25
Exam fee to NABP	250
Original license	60
Internship registration	40
Annual renewal	55

For Details and Licensing Application Materials, Contact

Montana Board of Pharmacy
111 N. Last Chance Gulch
PO Box 200513
Helena, MT 59620-0513
(406) 444-1698

Occupational Information

Current Employment

About 503 are employed in this medium-sized occupation in Montana. In addition, others are self-employed. There are 805 licensed pharmacists in Montana.

Wages

Wages vary with location, size, and type of employer. The average entry wage is about $2,505/month and the average wage is about $3,800/month.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. Among the factors influencing the outlook is the growing number of people over the age of 65 whose use of drug products is higher than average. Scientific advances are expected to increase demand as more drug products are available for the prevention, diagnosis, and treatment of diseases. Expanded coverage of drug products on health insurance plans and the trend toward shorter working hours in the occupation will increase demand. Turnover is low, but replacement of those who leave the occupation will create some openings. More positions for pharmacists are expected in hospitals, health maintenance organizations (HMOs), and community pharmacies. Increasing use of pharmacy assistants is anticipated as well.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Pharmacists

Physical Therapists

Physical therapists help people overcome or adjust to physical disabilities caused by injury, illness, or birth defects. Physical therapists evaluate, treat, and work to prevent movement and function problems. They work to relieve pain and to increase the movements patients can make. Therapists evaluate muscle strength, endurance, flexibility, coordination, and the range of motion of joints. The evaluations provide the basis for treatment and measures of progress. Physical therapists plan, administer, and keep written records of the treatment. They help disabled people adjust to their handicaps. They teach patients and their families how to continue treatments at home.

Licensing Information

Montana Licenses

"Physical Therapist"
"Physical Therapist Assistant"

Licensure is authorized by Montana Code Annotated 37-11-301 through 37-11-322.

License Requirements

Physical therapists:

1. Minimum age of 18 years.
2. Graduation from a board-approved school of physical therapy.
3. Satisfactory completion of a written exam.

Physical therapist assistants:

1. Minimum age of 18 years.
2. Graduation from a board-approved physical therapist assistant curriculum.
3. Satisfactory completion of a written exam.

License Renewal

Licenses expire on April 1 of each year, and may be renewed upon payment of a fee.

Fees

Exam	$195
Original license	25
Annual renewal	25
Penalty fee	50

For Details and Licensing Application Materials, Contact

Montana Board of Physical Therapists
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3728

Occupational Information

Current Employment

About 616 are employed as physical therapists and physical therapy assistants in Montana. In addition, others are self-employed. This is a medium-sized occupation in Montana. There are 767 licensed physical therapists and 41 licensed physical therapy assistants in Montana.

Wages

Wages vary with patient population, employment setting, and geographic area. In Montana, the average entry wage for physical therapists is $2,750/month and the average wage is $3,264/month. In Montana, physical therapy assistants' average wage is $1,450/month.

Outlook

Employment for physical therapists is projected to grow faster than the statewide average for all occupations in Montana. Nursing homes and home health care will require more physical therapists because of the increasing average age of the population. As a cost-saving measure, hospitals are increasing their demand for physical therapists as well. The use of physical therapists can shorten the length of stay in hospitals for many patients. Growth is anticipated for cardiac care, sports medicine, industrial safety, and for home health care.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Physical Therapists

Physician Assistants

Physician assistants provide routine and emergency medical care under the supervision of physicians. Physician assistants interview patients, take medical histories, perform physical examinations, order laboratory tests, and make tentative diagnoses. They take x-rays and electrocardiograms, set simple fractures, suture wounds, and provide treatment for common illnesses. Physician assistants may give vaccinations and prescribe some medicines. They may assist physicians in surgery.

Licensing Information

Montana Licenses

"Physician Assistant (PA)"

Licensure is authorized by Montana Code Annotated 37-20-101 through 37-20-409.

License Requirements

1. Graduation from an approved physician assistant program.
2. Certification by the National Commission on Certification of Physician Assistants, Inc.
3. A utilization plan naming a licensed physician who will serve as supervisor, and the duties to be performed by the assistant.
4. Proof of insurability.
5. Satisfactory completion of the national board exam.

License Renewal

Licenses expire on October 31 of each year, and may be renewed upon payment of a fee.

Fees

Application	$150
Annual renewal	50

For Details and Licensing Application Materials, Contact

Montana Board of Medical Examiners
111 N. Jackson
PO Box 200513
Helena, MT 59620-0513
(406) 444-4276

Occupational Information

Current Employment

About 62 are employed in this very small occupation in Montana. There are about 100 licensed physician assistants in Montana.

Wages

Wages vary with employer, experience, and job specialty. Those working in hospitals, health maintenance organizations (HMOs), and physicians' offices tend to earn the highest wages. The average wage in Montana is $4,125/month. In Montana state government, the average wage is $3,530/month.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations. The outlook depends on expanding use of physician assistants in HMOs, hospitals, rural health clinics, medical centers, and prisons. The rise in health care costs is one factor increasing demand. Nursing homes, outpatient facilities, and rehabilitation centers are expected to need more physician assistants. Prospects are excellent for newly trained physician assistants since demand is expected to exceed supply in this occupation.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Physician Assistants

Physicians

Physicians diagnose medical problems and prescribe treatments to improve their patients' health. They advise people on good health practices. Physicians try to prevent illness by advising patients about proper diet and exercise. Many physicians assign routine tasks to other health workers so they can handle complex medical procedures.

Licensing Information

Montana Licenses

"Physician (MD, DO)"

Licensure is authorized by Montana Code Annotated 37-3-101 through 37-3-405.

License Requirements

1. Graduation from an approved medical school.
2. Completion of a one-year internship or equivalent for U.S. graduates; three-year post graduate training (in the U.S. or Canada) for foreign medical graduates.
3. Satisfactory completion of the LMCC, national boards, FLEX, state exam, or USMLE.

License Renewal

Licenses expire on March 31 of each year, and may be renewed upon payment of a fee.

Fees

Application	$250
USMLE	500
Annual renewal	150

For Details and Licensing Application Materials, Contact

Montana Board of Medical Examiners
111 N. Jackson
PO Box 200513
Helena, MT 59620-0513
(406) 444-9395

Occupational Information

Current Employment

There are 1,756 licensed physicians in Montana.

Wages

Wages vary with experience, specialty, professional reputation, patient incomes, and location and type of practice. Those in private practice generally earn more than staff physicians. Those in group practice tend to earn more than sole proprietors. The average wage in Montana for general practitioners is $9,310/month. Specialists usually earn more than general practitioners. Those who work in urban areas earn more than those who work in suburban and rural areas. Wages in public agencies are much lower.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. Population growth and aging contribute to the need for more physicians. The outlook is influenced by medical school enrollments, Medicare and Medicaid budgets, and the extent to which other health specialists assume duties formerly done by physicians. Many new physicians take salaried jobs in group medical practices, clinics and health maintenance organizations (HMOs). Job opportunities may be better in small towns, rural areas, and low-income urban areas.

For more information, see the Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Physicians

Pilots and Flight Engineers

Pilots and flight engineers fly and navigate aircraft to transport passengers and cargo and to spray crops. Most pilots in the nation transport passengers and cargo while others dust crops, test aircraft, and patrol forests. Airline pilots (captains) operate the flight controls and perform other tasks essential for safe air navigation. They supervise crews. Copilots help pilots with communications, monitoring flight instruments, and operating controls. Flight engineers help make pre-flight checks and monitor the operation of mechanical and electrical systems during flight.

Licensing Information

U.S. Licenses

"Commercial Pilot"
"Flight Engineer"
"Airline Transport Pilot"

Licensure is authorized by Federal Aviation Regulations-Part 61.

License Requirements

Commercial pilots must first obtain a private pilot's license. The requirements for the private pilot's license are:

1. Minimum age of 17 years.
2. 40 hours of flight experience and instruction.
3. A medical certificate.
4. Satisfactory completion of written and practical exams.

<u>For commercial pilots:</u>

1. Minimum age of 18 years of age.
2. A private pilot's certificate or meet private pilot certificate requirements.
3. 250 hours of flight experience and instruction (including instrument flying and experience in complex planes).
4. A medical certificate.
5. Satisfactory completion of written and practical exams.

<u>For flight engineers:</u>

1. Must be 21 years of age.
2. A commercial pilot's license.
3. A medical certificate.
4. Satisfactory completion of written and practical exams.

For airline transport pilots:

1. Minimum age of 23 years.
2. 1,500 hours of flight experience (including night and instrument flying).
3. A medical certificate.
4. Satisfactory completion of written and practical exams.

License Renewal

Licenses are valid as long as a pilot can pass the periodic physical exams and tests of flying skills required by FAA and company regulations.

Fees

Exam	Varies with examiner (fees start at about $50)

Special Comments or Conditions

Pilots hired by airlines must be high school graduates; many airlines require two years of college and prefer college graduates. For information on helicopter pilot licenses, contact a local flight school or the FAA office listed below.

For Details and Licensing Application Materials, Contact

Federal Aviation Administration
Flight Standards District Office
2725 Skyway Drive, Suite 1
Helena, MT 59601
(406) 449-5270
(800) 457-9917

Occupational Information

Current Employment

About 130 are employed in this small occupation in Montana.

Wages

Wages vary with seniority, type of airplane, whether route is domestic or international, and employer. The average wage in Montana for commercial pilots is about $3,580/month. Pilots who work as flight instructors are paid by the hour. Their wages vary by hours worked, type of instruction, and employer. They usually earn less than corporate or charter pilots.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. Greater demand is projected for pilots than for flight engineers. The long-term outlook depends on the need to replace those who leave the occupation, the use of air transport services for freight and passenger travel, and demand for air service to smaller airports. Since deregulation began in the 1980s, some large airlines have merged, some have gone bankrupt, and some small airlines have started up. Fares and schedules frequently change, and airlines are using various cost-cutting measures to be more competitive. Major airlines prefer to hire college graduates with experience operating jet aircraft who have obtained commercial pilot and flight engineer licenses.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Pilots and Flight Engineers

Plumbers and Pipefitters

Plumbers and pipefitters install and repair pipe systems used to carry water, gas, steam, and air and to dispose of wastes. Plumbers and pipefitters assemble and install metal or plastic pipes using wrenches, bits, and pipecutters. They may use power machines to cut, bend, and thread pipes. They read blueprints, weld, and solder. People can specialize in either plumbing or pipefitting.

Licensing Information

Montana Licenses

"Journeyworker Plumber"
"Master Plumber"

Licensure is authorized by Montana Code Annotated 37-69-301 through 37-69-402.

License Requirements

For journeyworker plumbers:

1. Completion of an approved plumber apprenticeship program, or verification of five years of plumbing experience.
2. Satisfactory completion of written and practical exams.

For master plumbers:

1. Four years of experience as a licensed journeyworker plumber.
2. Three of the above years of experience must be in supervising plumbing projects or under a master plumber.
3. Satisfactory completion of written and practical exams.

License Renewal

Licenses expire on August 31 of each year, and may be renewed upon payment of a fee.

Fees

Application	$30
Exam	95
Original license/Annual renewal	
Journeyman	75
Master	125
Medical gas endorsement fee	30
Renewal fee	10

Special Comments or Conditions

A special endorsement is required for persons installing medical gas piping. Contact the Board of Plumbers office for requirements.

For Details and Licensing Application Materials, Contact

Montana Board of Plumbers
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-4390

Occupational Information

Current Employment

About 893 are employed in this medium-sized occupation in Montana. In addition, others are self-employed. There are 1,101 licensed plumbers in Montana. There were 174 active plumber apprentcies, 25 active pipefitter apprentices, and one gas main fitter apprentice in Montana in 1997.

Wages

Plumbers earn an average wage of about $17.40/hour. Pipefitters (construction) earn an average wage of about $11.85/hour. The union journey-level wage for plumbers, pipefitters, and sprinkler fitters in Montana ranges from $18.25 to $20.80/hour, plus travel allowance and fringe benefits. Nonunion plumbers usually earn less. In Montana state government, plumbers earn $9.90 to $13/hour. Union apprentices earn 50 percent of the journey-level wage to start out.

Outlook

Employment for the plumbers and pipefitters is projected to grow faster than the statewide average for all occupations in Montana. The outlook depends mainly on the amount of commercial and residential construction. The level of construction activity, in turn, is affected by economic conditions and the weather. Maintenance of existing piping systems provides jobs for many plumbers and pipefitters even when construction work is down.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Plumbers and Pipefitters

Podiatrists

Podiatrists diagnose and treat diseases and disorders of the foot. They fit corrective devices, prescribe drugs, order physical therapy, or recommend proper shoes. Some podiatrists specialize in podiatric surgery or in bone, muscle, and joint disorders.

Licensing Information

Montana Licenses

"Podiatrist (DPM)"

Licensure is authorized by Montana Code Annotated 37-6-101 through 37-6-312.

License Requirements

1. Graduation from an accredited college of podiatry.
2. One year of postgraduate training, or equivalent.
3. Satisfactory completion of the national board exam.

License Renewal

Licenses expire on October 31 of each year, and may be renewed upon payment of a fee.

Fees

Application/original license	$250
Annual renewal	150

For Details and Licensing Application Materials, Contact

Montana Board of Medical Examiners
111 N. Jackson
PO Box 200513
Helena, MT 59620-0513
(406) 444-9395

Occupational Information

Current Employment

About nine are employed in this very small occupation in Montana. In addition, others are self-employed. There are 41 licensed podiatrists in Montana.

Wages

Wages vary depending on the size and location of the practice and years of experience.

Outlook

Employment is expected to grow about as fast as the statewide average for all occupations in Montana. More people will use podiatrists for foot care as the elderly population increases. Demand also results from increased interest in jogging, aerobic exercise, and other popular sports.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Podiatrists

Private Investigators

Private investigators locate missing persons or property, solve crimes, and gather information or evidence to assist others. They watch or interview people, search through existing records, and examine the scenes of crimes to obtain clues to find out who was responsible for accidents, injuries, crimes, and losses. Investigators also write reports for clients and may testify in court.

Licensing Information

Montana Licenses

"Private Investigator"

Licensure is authorized by Montana Code Annotated 37-60-301 through 37-60-322.

License Requirements

1. Minimum age of 21 years.
2. U.S. citizenship.
3. Graduation from high school, or equivalent.
4. Three years of private investigative experience, or equivalent.
5. Completion of a certified private investigator training program.
6. Satisfactory completion of a written exam.
7. Certificate of liability insurance.

NOTE: Private investigators who wear or carry firearms must also complete an approved firearms training program.

License Renewal

Licenses expire on December 1 of each year, and may be renewed upon payment of a fee. Armed private investigators must also complete a certified combat shooting course each year to renew their firearm registrations.

Fees

Application:	
Investigators	$75
Exam	15
Annual renewal:	
Investigators	30

Special Comments or Conditions

Attorneys, insurance and financial company employees, and internal investigators and auditors making investigations related to their duties are not required to be licensed as private investigators.

For Details and Licensing Application Materials, Contact

Montana Board of Private Security Patrol Officers and Investigators
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3728
(406) 444-1667 fax

Occupational Information

Current Employment

About 37 are employed in this very small occupation in Montana. There are 135 licensed private investigators in Montana.

Wages

Earnings of detectives and investigators vary by employer, specialty, and geographic area. Investigators in Montana state government earn $2,460 to $2,935/month.

Outlook

Generally, employment is projected to grow faster than the statewide average for all occupations in Montana.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Detectives and Investigators

Property Managers

Property and real estate managers manage commercial and residential properties such as office buildings, shopping centers, and apartments. Property managers oversee daily operations of properties. They arrange for routine services and maintenance of properties and collect rent and other fees from tenants. They show vacant space to prospective tenants and negotiate and prepare rental agreements. They keep financial records for properties.

Licensing Information

Montana Licenses

"Property Managers"

Licensure is authorized by Montana Code Annotated 37-51-601 through 37-51-608.

License Requirements

1. Completion of pre-licensing education determined by the board.
2. Satisfactory completion of a written exam.
3. Three letters of reference.
4. Recent credit report.

License Renewal

Licenses expire on January 1 of each year, and may be renewed upon payment of a fee. Property managers must complete six hours of continuing education every year to renew their license.

Fees

Examination	$ 40
Pre-license course	200
Original license	50
Annual renewal	40
Recovery Account	35

For Details and Licensing Application Materials, Contact

Montana Board of Realty Regulation
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-2961

Occupational Information

Current Employment

About 145 are licensed in this small occupation in Montana.

Wages

Wages vary with the type of property, services provided, education, and experience. The average wage is about $2,150/month. Resident apartment managers earn less, since the value of their apartment is part of their wage.

Outlook

Employment is projected to grow faster than the statewide average for all occupations in Montana. The outlook depends on general economic conditions, activity in the trade and service industries, and house buying trends. Growth in trade and service increases demand for real estate managers to locate and develop commercial properties. High residential purchase costs lead people to rent longer, increasing demand for property managers. Recent tax law changes reduced the tax benefits for operating unprofitable commercial properties, prompting owners to hire managers to increase profitability. Job opportunities are best for those with a college degree in business administration, finance, real estate, public administration, or related fields.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Property and Real Estate Managers

Psychologists

Psychologists study human behavior to help solve or prevent individual or group problems. Psychologists may conduct psychological tests, observe individual or group behavior, or perform psychotherapy to help people correct emotional or mental problems. Some psychologists teach and do research work at colleges. Others may work for school districts helping students with emotional or educational problems and helping schools provide better teaching programs. Psychologists work for private businesses applying psychological techniques to industrial problems.

Licensing Information

Only professional psychologists in private practice and school psychologists are required to have a license in Montana.

Montana Licenses

"Psychologist"

Licensure is authorized by Montana Code Annotated 37-17-301 through 37-17-313.

"Class 6-Specialist" (school psychologists)

Certification is authorized by Montana Code Annotated 20-4-102.

License Requirements

For psychologists:

1. Minimum age of 18 years.
2. A doctoral degree in psychology from an accredited institution that meets Board's minimum standards..
3. Two years of supervised experience in the practice, research, or teaching of psychology, one year of which is postdoctoral.
4. Satisfactory completion of written and oral exams.

For school psychologists:

1. Minimum age of 18 years.
2. A master's degree in school psychology, or equivalent.
3. A health exam.
4. Completion of coursework specified by the state.

License Renewal

Psychologist's licenses expire on January 1 of each year, and may be renewed upon payment of a fee and 40 hours of continuing education every two years. School psychologists' certificates expire on June 30 every five years. School psychologists must complete six quarter or four semester credits of graduate course work every five years to renew their certificates.

Fees

For psychologists:

Application	$175
Written exam	275
Oral exam	100
Annual renewal	150

For school psychologists:

Registration	$ 6
Original certificate	30
Five-year renewal	30

For Details and Licensing Application Materials, Contact

For psychologists:
Montana Board of Psychologists
111 N. Last Chance Gulch, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-5436

For school psychologists:
Office of Public Instruction
Division of Certification and Teacher Education
PO Box 202501
Helena, MT 59620-2501
(406) 444-3150

Occupational Information

Current Employment

There are about 212 licensed psychologists in this small occupation in Montana. Some have private practices.

Wages

The average entry wage in Montana for clinical psychologists is $2,565/month; for counseling psychologists, $2,480/month; and for educational psychologists, $2,020/month. Salaries for psychologists in Montana state government range from $2,070 to $3,220/month. Private practice earnings are better after several years because it takes time to build up a clientele.

Outlook

Employment is projected to grow faster than the statewide average for all occupations in Montana. The outlook depends on public funding of health, human resource, and education programs. Public awareness of the need for psychological testing, research services, and counseling affect the outlook. Another factor is the expansion of the counseling field in general, since other practitioners compete with psychologists to provide family counseling and group therapy. The best prospects for jobs will be in school, clinical, and industrial psychology.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Psychologists

Radiologic Technologists

Radiologic technologists operate x-ray equipment to help diagnose and treat various health problems. There are several specialties within the field of radiologic technology. Some technologists take x-rays of parts of the human body to help radiologists (physicians who specialize in the use of x-rays) to identify and evaluate a patient's illness or injury. Radiation therapy is used mainly in the treatment of cancer patients. Under the supervision of a radiologist, the technologist exposes the affected body area to prescribed doses of radiation. A third specialty involves radioactive materials that are placed into the patient's body and absorbed by the internal organs. Using special cameras, scanners, and other radiation measuring instruments, it is sometimes possible to trace the development of disease.

Licensing Information

Montana Licenses

"Radiologic Technologists"
"Limited Permit Holders"

Licensure is authorized by Montana Code Annotated 37-14-301 through 37-14-323.

License Requirements

Radiologic Technologists:

1. Minimum age of 18 years.
2. Completion of a two-year radiologic technology program.
3. Passage of the national board exam.

Limited Permit Holders:

1. Completion of a Board approved course.
2. Passage of general exam and category exams.

License Renewal

Licenses expire on February 1 of each year, and may be renewed upon payment of a fee. Limited permit holders must complete 6 hours of continuing education.

Fees

Application

Radiologic Technologists	$30
Limited Permit Holders	30

Exam	
Limited Permit Holder	
General	$15
Each Additional Category	5
Original/Certificate License	
Radiologic Technologists	$15
Limited Permit Holder	35
Annual renewal	25

For Details and Licensing Application Materials, Contact

Montana Board of Radiologic Technologists
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3091

Occupational Information

Current Employment

About 559 are employed in this medium-sized occupation in Montana. There are 735 licensed radiologic technologists in Montana and 350 licensed limited permit holders.

Wages

The average wage for radiologic technologists in Montana is about $2,150/month. Radiological technologists in Montana state government earn between $1,450 and $2,250/month. Standard hospital fringe benefits, including health insurance, vacation, and sick leave are usually provided to full-time workers. As a general rule, specialists such as ultrasound technologists, radiation therapy technologists, and nuclear medicine technologists usually earn more than radiologic technologists.

Outlook

Employment for radiologic technicians is projected to grow as fast as the statewide average for all occupations in Montana. Down-sizing in hospitals has led to fewer openings. Increased use of advanced technology in the diagnosis and treatment of diseases will create more employment opportunities. The outlook is better in radiation therapy, nuclear medicine, ultrasound technology, and cardiovascular technology.

Opportunities are better in small rural communities than in large urban areas. Entry-level chances are best for those willing to work part time, take night or relief positions, or who have obtained certification or registration.

For more information, see the Montana Career Information System (MCIS):
Computer Software Program
CIS for Windows - Radiologic Technologists

Real Estate Agents

Real estate agents help people buy, sell, and rent property and businesses. Real estate agents familiarize themselves with market conditions and properties for sale. They show property to prospective buyers and locate properties to sell. They negotiate the terms of real estate contracts such as deeds, leases, and mortgages with buyers, sellers, and renters of properties. They may arrange for maintenance of rental property or develop and sell new building projects.

Licensing Information

Montana Licenses

"Real Estate Salesperson"
"Real Estate Broker"

Licensure is authorized by Montana Code Annotated 37-51-301 through 37-51-401.

License Requirements

For salespersons:

1. Minimum age of 18 years.
2. Two years of high school, or equivalent.
3. Completion of 60 hours of approved real estate courses.
4. A statement from a licensed broker certifying that the broker will supervise and train the applicant.
5. Satisfactory completion of a written exam.
6. Three letters of reference.
7. Copy of recent credit report.

For brokers:

1. Minimum age of 18 years.
2. A high school diploma, or equivalent.
3. Two years of experience as a licensed real estate salesperson, or equivalent.
4. Completion of 60 hours of approved real estate courses (in addition to those required for a salesperson's license).
5. Satisfactory completion of a written exam.
6. Three letters of reference.
7. Copy of recent credit report.

License Renewal

Licenses expire on January 1 and are renewed every four years. New licenses are issued and pro rated to the nearest renewal date. Real estate licensees must complete 12 hours of continuing education.

Fees

Exam	$ 51
Original license	
Salesperson	60
Broker	120
Renewal	
Salesperson	120
Broker	240
Recovery account	35

For Details and Licensing Application Materials, Contact

Montana Board of Realty Regulation
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-2961

Occupational Information

Current Employment

There are 1,835 active licensed real estate sales agents and 2,029 active licensed real estate brokers in this large occupation in Montana. Many are self-employed and some work only part time.

Wages

Wages vary widely. Earnings are based on commissions of six to ten percent of the total sale price. Commissions are paid after a sale closes. Closing the sale can take as long as two months, so income varies a great deal from month to month. Factors affecting earnings are experience, specialty, overall economic conditions, and hours worked. Real estate agents in Montana earn an average of about $2,970/month. The sales agent usually pays for his or her own professional fees and memberships, transportation costs, advertising expenses, health and auto insurance, and workers' compensation insurance.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. The outlook depends on the demand for home purchases and rentals, the availability of low mortgage interest rates, population growth, and the need to replace those who leave the occupation. A high turnover rate among first-year real estate agents, many of whom find it difficult to close a sufficient number of sales, creates many entry positions.

For more information, see the Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Real Estate Agents

Real Estate Appraisers

Real estate appraisers analyze and estimate values of real property. Licensing/certification is only required for federal related transactions.

Licensing Information

Montana Licenses

"Licensing"
"Residential Certification"
"General Certification"

Licensure is authorized by Montana Code Annotated 37-54-201 through 37-54-311.

License Requirements

Licensing:

1. 90 hours of approved courses.
2. 2,000 hours of experience.
3. Passing score on an approved exam.

Residential Certification:

1. 120 hours of approved courses.
2. Two years of experience with at least 2,500 hours.
3. Passing score on an approved exam.

General Certification:

1. 180 hours of approved courses.
2. Thirty months of experience with at least 3,000 hours, of which 1,500 must be non-residential.
3. Passing score on an approved exam.

License Renewal

Licenses/certifications expire on March 31 of each year. Every third year 45 hours of approved continuing education is needed.

Fees

Exam	Contact Board office for information
Original license	$150
Annual renewal	150
Federal registry	25 annually

For Details and Licensing Application Materials, Contact

Montana Board of Real Estate Appraisers
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59604-0513
(406) 444-3561

Occupational Information

Current Employment

About 338 are employed in this small occupation in Montana. There are 439 licensed appraisers in Montana.

Wages

Wages vary depending on type and complexity of job, education and experience. Commercial, industrial, and agricultural appraisers usually earn more than residential property appraisers, because of the complexity of the task. Appraisers working in Montana state government earn from $1,340 to $2,685/month. The average wage is $2,570. Appraisers with proven ability in feasibility analysis or with very complex appraisals earn more.

Outlook

Employment for real estate appraisers is projected to grow as fast as the statewide average for all occupations in Montana. The outlook for residential property appraisers depends on the economy and interest rates. Demand increases and decreases with real estate market activity. Commercial appraisals are less subject to economic swings since they are used in making ongoing business decisions.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Appraisers

Recreation Guides

Recreation guides organize and conduct hunting, fishing, hiking, float, or similar trips in scenic and wilderness areas. Recreation guides plan recreation trips using their knowledge of the countryside to determine best routes and sites. They arrange for transportation, equipment, and supplies to be used on outings. Recreation guides demonstrate equipment and techniques, and explain recreation laws to ensure compliance.

Licensing Information

Montana Licenses

"Guide"
"Outfitter"

Licensure is authorized by Montana Code Annotated 37-47-301 through 37-47-344.

License Requirements

For guides:

1. Minimum age of 18 years.
2. An endorsement and recommendation from a licensed outfitter.
3. One season of hunting or fishing experience, or completion of an approved professional guide program.
4. A valid wildlife conservation license.
5. Current CPR or first aid card.

For outfitters:

1. Minimum age of 18 years.
2. An operations plan outlining the functions and operations of the outfitter's business.
3. 100 days of verified experience as a licensed outfitter in another state or as a licensed guide in Montana.
4. Verification of liability insurance for services provided.
5. A valid wildlife conservation license.
6. An inspection of the applicant's equipment, livestock, and facilities.
7. Satisfactory completion of a written exam.
8. Current CPR or first aid card.

License Renewal

Licenses expire on December 31 of each year. Guides must reapply each year to obtain a license. Outfitters must renew each year.

Fees

For guides:	
Processing	$75
Annual renewal	75
For outfitters:	
Application (new)	$300
Exam (new)	100
Investigation	300
Operations plan processing (new)	125
Equipment Inspection (new)	300
Original license	200
License renewal	235
Inactive renewal	150

For Details and Licensing Application Materials, Contact

Montana Board of Outfitters
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3738

Occupational Information

Current Employment

This is a large occupation in Montana. There are 1,842 licensed guides and 751 licensed outfitters in Montana. There is a moratorium on the number of outfitters that can be licensed for hunting.

Wages

Wages vary with level of responsibility, specialty, work setting, and whether a job is part time, full time, permanent, or temporary. Most jobs are seasonal or part time.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. Recreation is a popular field and there is a lot of competition for jobs. Opportunities are best for those willing to take seasonal or part-time work.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Recreation Guides

Registered Nurses

Registered nurses (RNs) provide health care to injured, sick, and healthy people. Duties vary with the work setting. Although they carry out treatment prescribed by doctors, RNs make decisions when providing nursing care. RNs may observe and record patient symptoms, give medicines to patients, teach health care, and analyze lab reports. They may operate respirators and EKG machines. RNs may oversee the work of licensed practical nurses, nurse aides, or orderlies. RNs can become nurse practitioners by gaining more knowledge and skills that allow them to evaluate medical problems, counsel families, coordinate treatment plans, and deliver babies.

Licensing Information

Montana Licenses

"Registered Professional Nurse"

Licensure is authorized by Montana Code Annotated 37-8-401 through 37-8-444.

License Requirements

1. A high school diploma, or equivalent.
2. Graduation from an approved professional nursing program.
3. Satisfactory completion of the National Council Licensing Exam.

License Renewal

Licenses expire on December 31 of each year, and may be renewed upon payment of a fee and completion of renewal application.

Fees

Registered nurse:	
Application	$70
Annual renewal	40

Specialty:	
Original	50
Renewal	25

NOTE: Information on fees and arrangements for the national board exam must be obtained through the Board of Nursing.

Special Comments or Conditions

Professional nurses may be recognized by the Montana State Board of Nursing for advanced practice nursing which includes nurse practitioner, nurse anesthetists, clinical nurse specialists, and nurse mid-wife.

For Details and Licensing Application Materials, Contact

Montana State Board of Nursing
111 N. Jackson, Arcade Building
PO Box 200513
Helena, MT 59620-0513
(406) 444-2071

Occupational Information

Current Employment

About 6,396 are employed in this very large occupation in Montana. There are 10,738 licensed registered nurses in Montana.

Wages

In Montana, the average entry wage for general duty nurses is $12.55/hour; the average wage is $16.75/hour. Nurse practitioners earn more. In Montana state government, RNs earn from $11.95 to $18.55/hour, depending upon their responsibilities. Wages tend to be somewhat lower in rural areas, nursing homes, and doctors' offices.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. Because of their education and skills, RNs can work effectively in various roles and work settings. Many rural-area clinics and hospitals have difficulty recruiting enough RNs. The growth of intensive care, coronary care, and other specialized care units has increased demand for nurses with specialty experience and education. Turnover creates more openings.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Registered Nurses

Respiratory Therapists

Respiratory therapists operate equipment to treat patients with breathing problems. Also called inhalation therapists, they operate respirators, oxygen tents, and incubators. They administer drugs and medicinal gases and monitor and assess the patient's condition. Treatment may range from temporary relief for patients with chronic asthma to emergency care for patients suffering from heart failure, stroke, drowning, or shock.

Licensing Information

Montana Licenses

"Respiratory Care Practitioner"

Licensure is authorized by Montana Code Annotated 37-28-101 through 37-28-305.

License Requirements

Must possess National Board of Respiratory Care certification.

Respiratory therapists may be registered by the NBRC after graduating from an approved two-year program and passing exams. For more information, contact the National Board of Respiratory Care, 8310 Nieman Rd., Lenexa, KS 66214; (913) 599-4200.

License Renewal

Licenses expire on May 1 of each year, and may be renewed upon payment of a fee and completion of 12 hours of continuing education.

Fees

Application	$60
Annual renewal	40

For Details and Licensing Application Materials, Contact

Montana Board of Respiratory Care Practitioners
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3091

Occupational Information

Current Employment

About 251 are employed in this small occupation in Montana. There are 450 licensed respiratory care practitioners in Montana. There was one active apprentice in Montana in 1997.

Wages

The average entry wage for respiratory therapists in Montana is about $1,590/month. The average wage is about $2,190/month.

Outlook

Employment is projected to grow as fast as the statewide average for all occupations in Montana. There are more types of surgery at which respiratory therapists must be present. There are increasing numbers of people over 65 who have more heart and lung problems than the rest of the population. Opportunities exist for those with a four-year degree who have specialized in outpatient respiratory education or diagnosis and testing. Prospects are best for those who are registered.

For more information, see the Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Respiratory Therapists

Security Alarm Installers

Security alarm installers install any assembly of equipment and devices or a single device such as a solid state unit which plugs directly into a 110-volt AC line, designed to detect or signal or to both detect and signal unauthorized intrusion, movement, or criminal acts at a protected premises. Only owners of or private security guards working for security companies are required to be licensed in Montana.

Licensing Information

Montana Licenses

"Security Alarm Installer" (owner or employee)

Licensure is authorized by Montana Code Annotated 37-60-301 through 37-60-322.

License Requirements

Owners:

1. Minimum age of 18 years.
2. U.S. citizenship.
3. Two years of experience installing security alarms or equivalent
4. A certificate of liability insurance.
5. Satisfactory completion of a written exam.

Employees:

1. Minimum age of 18 years.
2. U.S. citizenship.
3. Completion of a training program.

License Renewal

Licenses expire on December 1 of each year, and may be renewed upon payment of a fee.

Fees

Application	
Owners	$75
Employees	15
Exam (Owners)	15
Annual renewal	
Owners	30
Employees	10

For Details and Licensing Application Materials, Contact

Board of Private Security Patrol Officers and Investigators
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3728
(406) 444-1667 fax

Occupational Information

Current Employment

There are 22 licensed security alarm installers in Montana. This is a very small occupation in Montana.

Security Guards

Security guards protect industrial and commercial property from illegal entry, theft, and fire. Security guards patrol and inspect buildings and grounds to see that windows, doors, and gates are secure. They check to make sure that safety and security equipment is working correctly. Specific duties vary with size and type of employer. In emergencies, security guards sound alarms or call police or fire departments. Only owners of or private security guards working for security companies are required to be licensed in Montana.

Licensing Information

Montana Licenses

"Private Security Guard" (owner or employee)

Licensure is authorized by Montana Code Annotated 37-60-301 through 37-60-322.

License Requirements

Owner:

1. Minimum age of 18 years.
2. U.S. citizenship.
3. Completion of a certified private security guard training program.
3. A certificate of liability insurance.
4. Satisfactory completion of a written exam.
5. Two years of security guard experience or equivalent.

Employee:

1. Minimum age of 18 years.
2. U.S. citizenship.
3. Completion of a certified private security guard training program.

NOTE: Security guards who will wear or carry firearms must also complete an approved firearms training program.

License Renewal

Licenses expire on December 1 of each year, and may be renewed upon payment of a fee. Armed security guards must also complete a certified combat shooting course each year to renew their firearm registrations.

Fees

Application:	Employees	Owners
Guards	$15	75
Exam	--	15
Annual renewal:		
Guards	10	30

For Details and Licensing Application Materials, Contact

Montana Board of Private Security Patrol Officers and Investigators
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3728

Occupational Information

Current Employment

About 1,365 are employed in this medium-sized occupation in Montana. Most are located in metropolitan areas. There are 428 licensed private security guards in Montana.

Wages

Wages vary with industry, employer, and region. In Montana, the average entry wage is $5.90/hour; the average wage is $7.40/hour. Wages in Montana state government range from $7.25 to $8.55/hour.

Outlook

Employment of security guards is projected to grow much faster than the statewide average for all occupations in Montana. The outlook depends on replacement of those who leave the occupation and the use of security services by public agencies and private firms. Factors include public concern over safety and theft. Turnover is high, creating many openings. Competition is greatest for in-house security positions. Many jobs require part-time evening or weekend hours.

For more information, see the Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Security Guards

Securities Salespeople

The securities industry consists of numerous types of securities professionals. Broker/dealer representatives and investment adviser representatives both require licensure in the State of Montana. Broker/dealer sales representatives help investors select and purchase stocks, bonds, mutual funds and other securities. These salespersons submit customer's orders to purchase and sell securities for a commission on each trade. Broker/dealer sales representatives must be affiliated with a registered broker/dealer firm. Investment adviser representatives provide investment services which includes investment management, providing information about market conditions and financial planning. Investment adviser representatives are compensated for a fee, usually based on total assets under management. Investment adviser representatives must be affiliated with a registered investment adviser or a federal covered adviser.

Licensing Information

Montana Licenses

"Broker/Dealer"
"Broker/Dealer Salespersons"
"Investment Adviser"
"Investment Adviser Representative"
"Federal Covered Adviser "

Licensure is authorized by Montana Code Annotated 30-10-201.

License Requirements

For broker/dealers:

1. Uniform Form BD with original signature and notary.

For broker/dealer salespersons:

1. Uniform Form U-4 with an original signature.
2. Series 63 or 66 examination.

For investment advisers:

1. Uniform Form ADV with original signature and notary.

For investment adviser representative:

1. Uniform form U-4 with an original signature.
2. Passage of series 65, 66 or 24 examination.

For federal covered adviser:

1. Copy of Uniform Form ADV as filed with Securities & Exchange Commission.

License Renewal

Licenses expire on December 31 of each year, and may be renewed upon payment of a fee.

Fees

For broker/dealer representatives:

Application	$ 50
Annual renewal	50

For broker/dealers and investment advisors:

Application	$200
Annual renewal	200

For investment adviser representatives:

Application	$ 50
Annual renewal	50

For federal covered advisers:

Application	$ 200
Annual renewal	200

For Details and Licensing Application Materials, Contact

State Auditor's Office
Montana Insurance Department
PO Box 4009
Helena, MT 59604-4009
(406) 444-2040

Occupational Information

Current Employment

About 427 are employed in this small occupation in Montana. About 1,400 broker/dealer representatives are currently licensed in Montana and there are about 300 licensed investment adviser representatives in Montana.

Wages

Wages vary with skill and experience. Broker/dealer representatives usually earn commissions on each trade executed for an investor. Investment adviser representatives usually earn a fee based on the total of assets under management.

Outlook

Employment is projected to grow much faster than the statewide average for all occupations in Montana. The outlook depends on the number of individuals and institutions investing in securities, economic conditions, and replacement needs. Turnover in this occupation is high at the entry-level due to the difficulty of establishing a clientele. Although there is strong competition for openings in this occupation, there is a strong demand for highly experienced salespeople with successful sales records. Since demand for this occupation varies with changes in the economy, job prospects and incomes are greater for salespeople who can provide their clients with complete financial services, stocks and bonds, life insurance policies, pension funds, trust funds, and other personal investments.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Securities Salespeople

Social Workers

Social workers help individuals and groups solve personal and social problems. Social workers interview clients to identify problems and provide counseling and/or psychotherapy. They develop plans to meet clients' needs, and may determine eligibility for assistance, funds, and services. They help clients get services and record case progress. Social workers may specialize in child welfare; family services; public assistance; or group, medical, clinical, psychiatric, or correctional counseling.

Licensing Information

Montana Licenses

"Licensed Clinical Social Worker (LCSW)"

Licensure is authorized by Montana Code Annotated 37-22-301 through 37-22-312.

License Requirements

1. A master's or doctorate degree in social work from a CSWE accredited program.
2. 3,000 hours of supervised post-graduate practice in psychotherapy.
3. Satisfactory completion of the AASSWB advanced or clinical board exam.

License Renewal

Licenses expire on December 31 of each year. Social workers must complete 20 hours of continuing education each year to renew their licenses.

Fees

Application	$ 50
Exam fee	110
Original license	50
Annual renewal	50

For Details and Licensing Application Materials, Contact

Montana Board of Social Work Examiners and Professional Counselors
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-4285

Occupational Information

Current Employment

About 1,500 are employed in this medium-sized occupation in Montana. There were 356 licensed clinical social workers in Montana in 1997.

Wages

The average wage in Montana is about $2,125/month. Social workers in state government earn from $2,070 to $2,935/month. Parole and probation officers in Montana state government earn from $2,250 to $2,935/month.

Outlook

Employment is projected to grow faster than the statewide average for all occupations in Montana. The outlook depends on public financial support for social services. Reductions in public funding of social programs limit employment growth. One factor that could increase employment is the advent of relatively new jobs in employee assistance programs. These require that social workers provide help to employees and their families affected by financial distress, alcoholism, and other problems. Growth is expected in health maintenance organizations, medical group practices, and programs to assist the elderly. Applicants with master's or doctoral degrees have better prospects for employment. In less populated areas, the competition for jobs is not as great.

For more information, see the Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Social Workers

Speech Pathologists and Audiologists

Speech pathologists and audiologists diagnose and treat speech, language, and hearing problems. They may teach, direct research, provide counseling, or conduct programs to improve communication skills. Speech pathologists use oral and written tests to determine speech and language skill levels. Audiologists use sensitive electronic instruments to test hearing.

Licensing Information

Montana Licenses

"Speech Pathologist"
"Audiologist"

Licensure is authorized by Montana Code Annotated 37-15-301 through 37-15-323.

License Requirements

1. Master's degree in communication and speech disorders.
2. Completion of 90 quarter hours of approved coursework in speech pathology or audiology.
3. Completion of 300 hours of supervised clinical experience.
4. Satisfactory completion of a written exam.

License Renewal

Licenses expire on February 1 of each year. Speech pathologists and audiologists must complete 40 hours of continuing education every two years to renew their licenses.

Fees

Application	$ 5
Original license	5
Annual renewal	
Active	20
Inactive	10

NOTE: Information on fees and arrangements for the exam must be obtained through the Educational Testing Service.

Special Comments or Conditions

Licensed speech pathologists and audiologists must annually register all speech pathology aides and audiology aides working directly under supervision. There is a yearly registration fee of $20 for speech pathology aides and audiology aides.

For Details and Licensing Application Materials, Contact

Montana Board of Speech Pathologists and Audiologists
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-3091

Occupational Information

Current Employment

About 280 are employed in this small occupation in Montana. In addition, others are self-employed. There are 378 licensed speech pathologists and audiologists in Montana.

Wages

Wages vary with type of employer and geographic location. Speech pathologists earn an average of about $2,880/month. In Montana state government, speech pathologists and audiologists average $2,695/month. Those in private practice, hospitals, and clinics generally earn more than those in schools.

Outlook

Employment is projected to increase as fast as the statewide average for all occupations in Montana. The outlook depends mainly on government funding of health care and health education programs. Population growth will increase the number of people having speech, language, and hearing problems. Most openings will occur because of the need to replace those who retire or leave the occupation for other reasons. New jobs will result from expansion of rehabilitation programs for stroke or head-injury patients. Job opportunities are expected to increase somewhat faster in private practice, hospitals, and nursing homes than in schools.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Speech Pathologists and Audiologists

Stationary Engineers

Stationary engineers operate and maintain steam engines and generators that are used to supply heat, power, and lights. Stationary engineers tend stationary engines and mechanical equipment such as boilers, steam engines, compressors, generators, and pumps used to provide light, heat, or power for buildings or industrial processes. They check meters and gauges to see that machines are operating properly. They record pressures, temperatures, and fuel consumption. They also do basic equipment maintenance and repair.

Licensing Information

Montana Licenses

"Low-Pressure Engineer"
"Third-Class Engineer"
"Second-Class Engineer"
"First-Class Engineer"
"Traction Engineer" (for nonstationary boilers only)
"Agricultural-Class Engineer"

Licensure is authorized by Montana Code Annotated 50-74-301 through 50-74-317.

License Requirements

1. Minimum age of 18 years.
2. Experience with equipment in the class for which licensure is sought:

License	Experience Required	Type of Boiler
Low pressure	3 months	Steam not in excess of 15 pounds per square inch; Water not in excess of 50 pounds per square inch.
Third class	6 months	Steam not in excess of 100 pounds per square inch; Water not in excess of 160 pounds per square inch, and 350 degrees F.
Second class	2 years	Steam not in excess of 250 pounds per square inch; Water not in excess of 375 pounds per square inch, and 450 degrees F.; Steam-driven machines not in excess of 100 horsepower/unit.
First class	3 years	All types
Traction	6 months	Traction engines

Agricultural	none	Steam not in excess of 150 pounds per square inch, not operated more than 6 months of the year, and only operated for harvesting and processing of agricultural products

3. Satisfactory completion of a written exam.

License Renewal

Licenses expire one year from the date of issue, and may be renewed upon payment of a fee.

Fees

Original license:

Low pressure	$40
Third class	40
Second class	50
First class	60
Traction	40
Agricultural	40
Annual renewal	20

For Details and Licensing Application Materials, Contact

Montana Department of Commerce
Professional and Occupational Licensing Bureau
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-1653

Occupational Information

Current Employment

There are 3,789 licensed stationary engineers in Montana. There was one active apprentice in Montana in 1995 and no apprentices in 1996 or 1997.

Wages

The average wage in Montana is $18.85/hour. The average wage in Montana state government is $11.20/hour. Union workers usually earn more than nonunion workers.

Outlook

Employment is projected to grow slower than the statewide average for all occupations in Montana, except for boiler operators, which is projected to decline. The outlook depends on technological change, the need for mechanical and electrical power, and the need to replace workers who leave the occupation. The increasing use of more advanced equipment reduces the demand for those with limited skills. Stationary engineers and boiler operators who combine operating with maintenance mechanic skills will fare better. Applicants able to work less desirable shifts have an advantage. The outlook is best for those who are trained in the use of computerized controls and instrumentation.

For more information, see the Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Stationary Engineers

Surveyors

Surveyors measure the earth's surface to determine property boundaries and provide information for making maps, and for construction and engineering projects. Surveyors plan jobs, choose reference points, and prepare maps and reports. They may specialize in one type of survey. Many perform land surveys to locate the boundaries of pieces of land. Licensed land surveyors are in charge of survey projects and are legally liable for the accuracy of the information collected. Marine (hydrographic) surveyors survey harbors, rivers, and other bodies of water to determine shorelines, water depth, and other features. Geodetic surveyors use special high accuracy techniques, including satellite observations, to measure large areas of the earth's surface. Geophysical prospecting surveyors mark sites for subsurface exploration.

Licensing Information

Montana Registrations

"Land Surveyor Intern (LSI)"
"Land Surveyor (LS)"

Registration is authorized by Montana Code Annotated 37-67-301 through 37-67-332.

Registration Requirements

For land surveyor interns:

1. Ninety quarter hours of approved coursework, including 40 quarter hours (27 semester hours) in surveying.
2. Two years formal education with six years experience, or
3. Bachelor's degree with two years experience, or
4. No education with six years experience.
5. Satisfactory completion of written exam.

For land surveyors:

1. A bachelor's degree in civil engineering with 40 quarter hours (27 semester hours) in surveying, or
2. Bachelor's degree with two years of experience, or
3. No education with ten years experience, six under supervision of a professional land surveyor.
4. Satisfactory completion of written exams.

Registration Renewal

Registrations expire on July 1 of every even-numbered year. Land surveyors must complete 520 hours per year of practice, formal course work, or other approved study to renew their registrations for the July 1, 1998-2000 renewal cycle.

Fees

For land surveyor interns:	
Application and exam	$60
For land surveyors:	
Application and exam	80
Two-year renewal	40
Comity	140

For Details and Licensing Application Materials, Contact

Montana Board of Professional Engineers and Land Surveyors
111 N. Jackson, Arcade Building
PO Box 200513
Helena, MT 59620-0513
(406) 444-4285

Occupational Information

Current Employment

About 175 are employed in this small occupation in Montana. There are 262 licensed surveyors in Montana.

Wages

The average wage in Montana for land surveyors is about $2,715/month. Surveyor helpers earn an average of about $1,865/month.

Outlook

Employment is projected to grow slower than the statewide average for all occupations in Montana. The outlook is tied mainly to construction activity, which is sensitive to loan interest rates, general economic conditions, and the weather. New electronic equipment has reduced the time involved in completing surveys. Some companies hire surveyors part-time or on a seasonal basis. Some growth is anticipated for mapping scientists in private firms, while computer programs with automated mapping capabilities are changing some of the skills used in this field.

For more information, see the Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Surveyors

Taxi Drivers

Taxi drivers operate motor vehicles to transport passengers. Taxi drivers take passengers to such places as airports, convention centers and hotels, or places of entertainment. Drivers collect fees from passengers based on the number of miles that are traveled or the amount of time spent reaching the destination. They record on a log, or trip sheet, the length of each trip, the point of pick-up, and the destination.

Licensing Information

Montana Licenses

"Driver's License-Type 1" (operate anywhere in the U.S.)
"Driver's License-Type 2" (operate only in Montana)

Licensure is authorized by Montana Code Annotated 61-5-101 through 61-5-213.

License Requirements

1. A medical certificate.
2. Satisfactory completion of written and practical exam.

For Type 1 endorsements:

3. Minimum age of 18 years.

License Renewal

Licenses belonging to drivers (aged 21 through 67) whose birthdays fall on an odd day of the month (1, 3, 5, etc.) will renew for eight years. If the driver's birthday falls on an even day of the month (2, 4, 6, etc.), the license will be renewed for 4 years. When the four years has expired, the license will be renewed for eight years. Drivers must have their vision tested and pay a fee to renew their licenses.

Fees

Basic license	$ 16
Endorsement:	
Type 1	20
Type 2	14
Renewal:	
Type 1	36
Type 2	30

Special Comments or Conditions

Commercial vehicle operators apply for the basic Montana driver's license and either a Type 1 (operate anywhere in the U.S.) or Type 2 (operate only in Montana) endorsement. Drivers are tested in the type of vehicle for which they seek licensure.

For Details and Licensing Application Materials, Contact

Department of Justice
Motor Vehicles Division
Field Operations Bureau
303 Roberts
PO Box 201430
Helena, MT 59620-1430
(406) 444-3292

Occupational Information

Current Employment

About 127 are employed as taxi drivers in this small occupation in Montana

Wages

Taxi drivers usually retain a percentage of the total fare and receive tips. Earnings are higher in larger cities.

Outlook

Employment is projected to increase slower than the statewide average for all occupations in Montana.

For more information, see Montana Career Information System (MCIS):

Computer Software Program

CIS for Windows - Taxi Drivers

Taxidermists

Taxidermists mount skins of birds, fish, and animals in lifelike form. With special knives, scissors, and pliers, they remove skins, taking care to preserve hair and feathers. Skins are preserved by rubbing chemical solutions into them, then taxidermists fit skins to forms using adhesive or modeling clay. Taxidermists finish specimens by placing eyes and claws, dress feathers, and brush furs. They may use paints on fish mounts.

Licensing Information

Montana Licenses

"Taxidermist"

Licensure is authorized by Montana Code Annotated 87-1-102 , 87-4-201.

License Renewal

Licenses expire on April 30 of each year, and may be renewed upon payment of a fee.

Fees

Original license	$15
Annual renewal	15

For Details and Licensing Application Materials, Contact

Enforcement Division
Fish, Wildlife and Parks
1420 East Sixth Ave.
PO Box 200701
Helena, MT 59620-0701
(406) 444-2452

Occupational Information

Current Employment

There are currently 369 licensed taxidermists in Montana. Most taxidermists are self-employed. There was one active apprentice in Montana in 1996.

Wages

Wages vary with season, location and experience.

Timeshare Brokers and Salespersons

Timeshare brokers and salespersons help people buy, sell or lease real estate property in which timeshares have been created.

Licensing Information

Montana Licenses

"Timeshare Broker"
"Timeshare Salesperson"

Licensure is authorized by Montana Code Annotated 37-53-301 through 37-53-308.

License Requirements

1. Completion of an approved course of study.
2. Successful completion of a written exam.
3. Written personal disclosure statement.

License Renewal

Licenses expire on January 1 each year, and may be renewed upon payment of a fee.

Fees

Course	$25
Exam	35
License/Renewal	
Salesperson	15
Broker	35

For Details and Licensing Application Materials, Contact

Board of Realty Regulation
111 N. Jackson, Lower Level
PO Box 200513
Helena, MT 59620-0513
(406) 444-2961

Occupational Information

Current Employment

There are 15 licensed timeshare brokers and salespersons in Montana.

Wages

Wages vary widely. Earnings are based on commissions. Factors affecting earnings are experience, specialty, overall economic conditions, and hours worked.

Truck Drivers

Truck drivers operate trucks or vans to move goods and materials. Many local drivers deliver lumber, furniture, food, gravel, cement, and parcels. They deliver products to factories, stores, construction sites, and residences. Drivers must maneuver their vehicles into tight parking spaces, through narrow alleys and driveways, and up to loading platforms. They may load and unload materials, receive payment for goods, and keep receipts and records of deliveries. Long haul truck drivers operate trucks or tractor-trailers to transport goods and materials over long distances. Long haul truck drivers may drive distances ranging from hundreds to thousands of miles from home. Before starting out, drivers receive orders, pick up report forms, and inspect their trucks and loads. While on the road they may make minor truck repairs. A few drivers load and unload their cargo; however, most rest while dock workers handle the freight.

Licensing Information

Montana Licenses

"Driver's License-Type 1" (can operate anywhere in the U.S.)
"Driver's License-Type 2" (can operate only in Montana)

Licensure is authorized by Montana Code Annotated 61-5-101 through 61-5-213.

License Requirements

1. A medical certificate.
2. Satisfactory completion of written and practical exams.

<u>For Type 1 endorsements:</u>

3. Minimum age of 21 years.

<u>For Type 2 endorsements:</u>

3. Minimum age of 18 years.

License Renewal

There will be a four-year phase-in period for the new eight-year license. Licenses belonging to drivers (aged 21 through 67) whose birthdays fall on an odd day of the month (1, 3, 5, etc.) will renew for eight years. If the driver's birthday falls on an even day of the month (2, 4, 6, etc.) the license will be renewed for four years. When the four years has expired, it will be renewed for eight years. Drivers must have their vision tested and pay a fee to renew their licenses.

Fees

Basic license fee	$16
Endorsement:	
Type 1	20
Type 2	14
Renewal:	
Type 1	36
Type 2	30

Special Comments or Conditions

Commercial vehicle operators apply for the basic Montana driver's license and either a Type 1 (can operate anywhere in the U.S.) or Type 2 (can operate only in Montana) endorsement. Drivers are tested in the type of vehicle for which they seek licensure. Drivers of vehicles required to display a hazardous material sign must also obtain a hazardous material endorsement. Drivers of tank trucks must also obtain a tanker endorsement.

For Details and Licensing Application Materials, Contact

Montana Driver Services Bureau
303 Roberts
PO Box 201430
Helena, MT 59620-1430
(406) 444-3292

Occupational Information

Current Employment

About 3,777 are employed as light truck drivers, and about 5,883 are employed as heavy truck drivers, making this a very large occupation in Montana.

Wages

Wages vary with size and type of truck operated, length of haul, and amount of cargo carried. The average entry wage for heavy truck drivers in Montana is $9.65/hour and the average wage is $11.55/hour. The average wage for dump truck drivers is $9.55. Light truck drivers earn an average of $8.35. Tractor trailer truck drivers average entry wage is about $11.95/hour and the average is $12.35/hour. In the private sector, truck drivers may earn by the trip, day, miles driven, or at a rate of 20 to 30 percent of the gross receipts. When paid by the mile, heavy truck drivers earn $.17 to $.21 per mile. The journey-level union rate is $14.20/hour.

Outlook

Employment for truck drivers is projected to grow slower than the statewide average for all occupations in Montana. The outlook depends on the level of economic activity in the manufacturing, wholesale and retail trade, and construction industries. Most openings will arise from the need to replace drivers who leave the occupation. Many people are attracted to this field because earnings are usually high, and relatively little training is required. Applicants will continue to face strong competition for job openings. Those with good driving records have the best chance of being hired.

For more information, see the Montana Career Information System (MCIS):

Computer Software Programs

CIS for Windows - Truck Drivers

Veterinarians

Veterinarians treat injuries and attempt to prevent, control, and cure animal diseases. Duties vary, but most diagnose and prescribe treatments. They perform surgery on animals and prescribe and administer drugs, medicines, and vaccines. Veterinarians are engaged in many activities, some of which are treatment of pets, herd maintenance and disease control, meat inspection, research, and teaching. Many are now starting to specialize in one of these areas. Others specialize in ophthalmology, dermatology, and surgery.

Licensing Information

Montana Licenses

"Veterinarian"

Licensure is authorized by Montana Code Annotated 37-18-101 through 37-18-502.

License Requirements

1. Graduation from an approved school of veterinary medicine.
2. Satisfactory completion of national board and clinical competency exams.
3. Satisfactory completion of state jurisprudence exam.

License Renewal

Licenses expire on November 1 of each year. Veterinarians must complete 20 hours of continuing education in even-numbered years to renew their licenses and pay appropriate fee.

Fees

Application and Jurisprudence fee	$200
Annual renewal	25

For Details and Licensing Application Materials, Contact

Montana Board of Veterinary Medicine
111 N. Last Chance Gulch
PO Box 200513
Helena, MT 59620-0513
(406) 444-5436

Occupational Information

Current Employment

There are 975 veterinarians licensed to practice in this medium-sized occupation in Montana.

Wages

The average entry wage in Montana is $2,210/month. The average wage is $2,705/month. Experienced veterinarians who are self-employed earn an average of $4,930/month after expenses.

Outlook

Employment is projected to increase faster than the statewide average for all occupations in Montana. The outlook depends on veterinary school enrollments, the increasing number and importance of pets, emphasis on scientific methods of raising and breeding livestock and poultry, and growth in public health and disease control problems. Areas that are expected to provide some opportunities for specialists are environmental health protection, food production and protection, biomedical research, animal welfare, and economic productivity in animal-related industries. Most jobs for specialists will be located in metropolitan areas.

For more information, see the Montana Career Information System (MCIS): Computer Software Program

CIS for Windows - Veterinarians

Water and Wastewater System Operators

Water and wastewater system operators control equipment that treats water and wastewater to make them sanitary. System operators monitor control systems, adjust valves and gates, and operate pumps, engines, and generators. Operators may collect samples, run laboratory tests, and work computers. They may supervise plant attendants and other workers.

Licensing Information

Montana Certification

"Water Distribution/Water Treatment/Municipal Wastewater System Operator-in-Training"
"Water Distribution/Water Treatment/Municipal Wastewater System Operator"
"Industrial Water/Wastewater Operator-in Training Operator "

Certification is authorized by Montana Code Annotated 37-42-301 through 37-42-322.

Certificate Requirements

1. Operating experience in a facility of the same classification as that for which certification is sought. The length of experience required varies according to classification:

Type of Facility	Experience Required
Class 1	2 years
Class 2	1-1/2 years
Class 3	1 year
Class 4	6 months
Class 5	No experience required

2. Satisfactory completion of a written exam.

A person who has passed the examination but lacks the required experience will be issued a certificate for an operator-in-training. When the experience requirement is fulfilled, a certificate of a fully certified operator will be issued.

Certificate Renewal

Certificates expire on June 30 of each year. Class 1 operators must complete 20 hours of continuing education every two years for each certificate (water distribution/water treatment operator or wastewater operator) they wish to renew. Class 2, 3, and 4 operators must complete ten hours of continuing education every two years for each

certificate they wish to renew. Class 5 operators must complete four hours of continuing education every two years for each certificate they wish to renew.

Fees

Exam	$20
Application/annual renewal:	
Water	30
Wastewater	30
Both	60

For Details and Certification Application Materials, Contact

Montana Department of Environmental Quality
Water and Wastewater Operator Certification
Box 200901
Helena, MT 59620-0901
(406) 444-2691

Occupational Information

Current Employment

There are 1,450 licensed in this occupation in Montana.

Wages

The average wage for solid/hazardous waste specialists in Montana state government is between $9.90 to $16.95/hour.

Outlook

Employment is projected to grow slower than the statewide average for all occupations in Montana. The outlook depends on the number of treatment plants being built or modernized, and on replacement needs. Individuals who are trained in both water and wastewater treatment increase their chances of getting a job. Opportunities are better for those willing to work evening and night shifts, and in small towns..

For more information, see the Montana Career Information System (MCIS):

Computer Software Programs

CIS for Windows - Water and Wastewater Plant Operators

Water Well Drillers

Rotary drillers operate machinery used to drill gas, oil, water, and geothermal wells. Working as part of a team, they control drills used to bore into the earth. They decide whether pipe is raised or lowered and examine core samples from wells to figure out the nature of rock layers. They keep records of the footage drilled and materials used. Water well drillers usually work with one helper. Rotary drillers who work on oil, gas, and geothermal wells supervise a drilling crew of three or four people. Derrick operators rig derrick equipment, prepare drilling mud which is a mixture of clay, chemicals, and water, and operate pumps to circulate the mud through the well. Rotary rig operators are in charge of engines that provide power for drilling and hoisting. Tool pushers oversee the maintenance of the drilling rig and supply materials and equipment to rig crews. Tool pushers hire the drillers who, in turn, hire the drilling crews.

Licensing Information

Montana Licenses

"Water Well Contractor"
"Water Well Driller"
"Monitoring Well Constructor"

Licensure is authorized by Montana Code Annotated 37-43-101 through 37-43-307.

License Requirements

1. Provide verification of one or more years' experience in drilling monitoring wells within the four years preceding application.
2. Is a licensed water well contractor or is engaged in installing monitoring wells (monitoring well constructor).
3. Successful completion of exam.
4. Contractors and constructors must provide a bond.

License Renewal

Licenses expire on June 30 of each year, and may be renewed upon payment of a fee. Licensees must have a minimum of four hours of board approved training prior to license renewal each year.

Fees

Application	
Contractors	$275
Drillers	165

Monitoring well constructor	165
Re-examination	
Contractors	125
Drillers	75
Monitoring well constructor	75
Renewal	
Contractor	140
Driller	90
Monitoring well constructor	140

For Details and Licensing Application Materials, Contact

Montana Board of Water Well Contractors
1520 East 6th Avenue
Helena, MT 59620
(406) 444-6643

Occupational Information

Current Employment

There are 52 licensed water well drillers, 118 licensed water well contractors, and 93 monitoring well constructors in Montana.

Wages

Drill operators in Montana state government earn from $8.40 to $13/hour. The journey-level union wage rate for wagon drillers in Montana is $13.75/hour. Workers who are union members generally earn more than nonunion members. Owner-operators may earn more.

Outlook

Opportunities for water well drillers depend primarily on the demand for new wells, and somewhat on the need to maintain and deepen existing wells. Demand for new wells is closely related to the general level of construction activity. Job opportunities are best in spring and summer.

For more information, see the Montana Career Information System (MCIS):

Computer Software Programs

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